Agatha Dr - NONCD0002817

The second secon				ť	Jallia Di	Agailla DI - NONCDOUZOT/	DUUUZO	11			
Well Address	Sample	Sample	Well	PCE	TCE	1,4-Dioxane	cis-1,1-DCE	1,4-Dioxane cis-1,1-DCE Chloromethane	1,2- Dichloropropane		Comments
	Date	By	<u>#</u>		2L= 3	2L= 3	2L= 6	2L= 3		Sent	
	,				MCL= 5	MCL=	MCL=	MCL=	5	5	
					RAL= 300	RAL= 611	RAL= 242	RAL= 563	RAL=		
7095 Agatha Dr	10/27/2010	Guilford Co							11.9	\ \	Unknown if filter is in use
			-								
7091 Agatha Dr	10/27/2010	Guilford Co							2.1	>	
PRE-FILTER	7/7/2014	BAF	* * * · · · · · · · · · · · · · · · · ·						3.8	>	
7091 Agatha Dr	10/27/2010	Guilford Co									Filter in use.
POST-FILTER	7/7/2014	BAF	No De	No Detection	×						
7088 Agatha Dr	10/27/2010	Guilford Co	No De	No Detection						>	
	7/7/2014	BAF	No De	No Detection				47			
7093 Agatha Dr	10/27/2010	Guilford Co	1							<u></u>	Trace detection of 1,2-Dichloropropane
	7/7/2014	BAF	No De	No Detection							
7094 Agatha Dr	7/7/2014	BAF	No De	No Detection							
7033 Ellison Rd	7/7/2014	BAF	No De	No Detection							
Notes:											

Chloroform Below 2L = Notes:
All units in ug/l (ppb)
Above MDL Limt =
Above 2L Limit =
Above MCL Limit = Above RAL =

HRE Sent =
*=Sample collected after filter system
(T) or (t) = Total

BOLD BOLD BOLD BOLD BOLD

1,1-DCA = 1,1-Dichloroethane 1,1-DCE = 1,1-Dichloroethene cis-1,2-DCE = cis-1,2-Dichloroethene Chloromethane (AKA - Methyl Chloride)

Page 1



North Carolina Department of Environment and Natural Resources Division of Waste Management

Pat McCrory Governor John E. Skvarla, III Secretary

August 28, 2014

Michael Hendrickson 7033 Ellison Road Stokesdale, NC 27357

RE:

Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)

7033 Ellison Road Stokesdale, NC 27357

Dear Mr. Hendrickson:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr. Environmental Specialist Inactive Hazardous Sites Branch Superfund Section

Enclosure.

CC: Guilford County Health Department

Client: NCDENR - DWM - DSCA

Description: 7033 ELLISON

Matrix: Aqueous Date Sampled: 07/07/2014 1347

Date Received: 07/08/2014

Analytical Method Dilution Analysis Date Analyst Prep Date Batch Run Prep Method 8260B 07/17/2014 1548 51627 5030B

Parameter	CAS	Analytical	Result	Q PQL	Units	Run
Parameter	Number	Method				·
Acetone	67-64-1	8260B	ND	10	ug/L	1
Benzene	71-43-2	8260B	ND	0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	NĎ	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND	0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93- 4	8260B	ND	0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	, ND	0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND	0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/L	1
trans-1,2-Dichloroethene	156-60 - 5	8260B	ND	0.50	ug/L	1
1,2-Dichloropropane	78-87 - 5	8260B	ND	0.50	_ ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND	0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND	10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND	0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	ug/L	1
• •	108-87-2	8260B	ND	5.0	ug/L	1
Methylcyclohexane	75-09-2	8260B	ND	0.50		1
Methylene chloride		8260B			ug/L	1
Styrene	100-42-5		ND	0.50	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND ND	0.50 0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		ug/L	1
Toluene	108-88-3	8260B	ND	0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	0.50	ug/L	l 4
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	0.50	ug/L	7
1,1,1-Trichloroethane	71-55-6	8260B	ND	0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND	0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

Laboratory ID: PG08011-014

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7033 ELLISON
Date Sampled:07/07/2014 1347

Laboratory ID: PG08011-014

Matrix: Aqueous

Date Sampled:07/07/2014 13-Date Received:07/08/2014

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B107/17/2014 1548EH151627

* * *									
Parameter		(Num		Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0)1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	89-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-0)1-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A % Recovery	Acceptano Limits	ce					
1,2-Dichloroethane-d4		98	70-130						
Bromofluorobenzene		91	70-130						
Toluene-d8		100	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Level 1 Report v2.1



North Carolina Department of Environment and Natural Resources Division of Waste Management

Pat McCrory Governor John E. Skvarla, III Secretary

August 29, 2014

Robin Baker Gonzalez 7094 Agatha Drive Stokesdale, NC 27357

RE:

Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)

7094 Agatha Drive Stokesdale, NC 27357

Dear Ms. Gonzalez:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr. Environmental Specialist Inactive Hazardous Sites Branch Superfund Section

Enclosure

CC: Guilford County Health Department

Client: NCDENR - DWM - DSCA

Description: 7094 AGATHA

Date Sampled:07/07/2014 1325 Date Received: 07/08/2014

Laboratory ID: PG08011-013

Matrix: Aqueous

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 5030B 8260B 07/16/2014 1547 51495

	CAS	Analytical				
Parameter	Number	Method	Result	Q PQI	. Units	Run
Acetone	67-64-1	8260B	ND	1	0 ug/L	1
Benzene	71-43-2	8260B	ND	0.5	0 ug/L	1
Bromodichloromethane	75-27 -4	8260B	ND	0.5	0 ug/L	. 1
Bromoform	75-25-2	8260B	ND	0.5	0 ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.5		1.
2-Butanone (MEK)	78-93-3	8260B	ND	1		1
Carbon disulfide	75-15-0	8260B	ND	0.5	0 ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.5	0 ug/L	1
Chlorobenzene	108-90-7	8260B	ND	0.5	0 ug/L	1
Chloroethane	75-00-3	8260B	ND	0.5	0 ug/L	1
Chloroform	67-66-3	8260B	ND	0.5	0 ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.5	0 ug/L	1
Cyclohexane	110-82-7	8260B	ND	. 0.5	0 ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.5		1
Dibromochloromethane	124-48-1	8260B	ND	0.5		1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.5	0 ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	0.5	0 ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND	0.5	0 ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.5	0 ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.5	-	1
1,1-Dichloroethane	75-34-3	8260B	ND	0.5	0 ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND	0.5	•	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.5	-	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.5		1
rans-1,2-Dichloroethene	156-60-5	8260B	ND	0.5		1
1,2-Dichloropropane	78-87-5	8260B	ND	0.5	0 ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.5		1
rans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.5	-	1
Ethylbenzene	100-41-4	8260B	ND	0.5	-	1
2-Hexanone	591-78-6	8260B	ND	1	_	. 1
sopropylbenzene	98-82-8	8260B	ND	0.5	•	1
Methyl acetate	79-20-9	8260B	ND	1.	•	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	0.5	•	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	. 1	Ū	1
Methylcyclohexane	108-87-2	8260B	· ND	5.	•	1
Methylene chloride	75-09-2	8260B	ND	0.5	•	1
Styrene	100-42-5	8260B	ND	0.5	•	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	0.5		1
Tetrachloroethene	127-18-4	8260B	ND	0.5	•	1
Toluene	108-88-3	8260B	ND	0.5	•	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	0.5	~	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	0.5	-	1
1,1,1-Trichloroethane	71-55-6	8260B	ND	0.5	•	1
1,1,2-Trichloroethane	79-00-5	8260B	ND	0.5	•	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: 7094 AGATHA Date Sampled:07/07/2014 1325 Laboratory ID: PG08011-013

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B Analytical Method Dilution Analysis Date Analyst Prep Date 8260B

07/16/2014 1547 EH1

Batch 51495

Parameter		Num	AS ber	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0	1-6	8260B	. ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	9-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-0	1-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	:0-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A % Recovery	ccepta Limit						
1,2-Dichloroethane-d4		100	70-13	30					
Bromofluorobenzene		88	70-13	80					
Toluene-d8		118	70-13	30			-		

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria



North Carolina Department of Environment and Natural Resources Division of Waste Management

Pat McCrory Governor John E. Skvarla, III Secretary

August 29, 2014

Daniel Cimino 7093 Agatha Drive Stokesdale, NC 27357

RE:

Water Supply Well Sampling Results - Agatha Drive (NONCD0002817)

7093 Agatha Drive Stokesdale, NC 27357

Dear Mr. Cimino:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr.
Environmental Specialist
Inactive Hazardous Sites Branch
Superfund Section

Enclosure

CC: Guilford County Health Department

Client: NCDENR - DWM - DSCA

Laboratory ID: PG08011-012

Description: 7093 AGATHA

Matrix: Aqueous

Date Sampled:07/07/2014 1302 Date Received: 07/08/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8260B 1 07/16/2014 1524 EH1 51495

	CAS	Analytical					
Parameter	Number	Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27- 4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEĶ)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	. ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
rans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
rans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
sopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	. 1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	· 1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	. 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2.4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: 7093 AGATHA

Laboratory ID: PG08011-012

Matrix: Aqueous

Date Sampled:07/07/2014 1302 Date Received: 07/08/2014

Run Prep Method 5030B

Analytical Method Dilution Analysis Date Analyst Prep Date 07/16/2014 1524

Batch 51495

Parameter		Num	CAS ber	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0	1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	9-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-0	11-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	0-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A	Acceptar Limits					· .	
1,2-Dichloroethane-d4		96	70-130)					
Bromofluorobenzene		91	70-130)					
Toluene-d8		101	70-130) .					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria



North Carolina Department of Environment and Natural Resources Division of Waste Management

Pat McCrory Governor John E. Skvarla, III Secretary

August 29, 2014

Jeremy Barnes 7088 Agatha Drive Stokesdale, NC 27357

RE:

Water Supply Well Sampling Results – Agatha Drive (NONCD0002817)

7088 Agatha Drive Stokesdale, NC 27357

Dear Mr. Barnes:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). There were no VOCs detected in your water supply well sample. As such, the use of your well water should not result in any adverse health effects associated with VOCs.

If you have any questions or if I can be of any further assistance, please contact me at (919) 707-8353.

Sincerely,

Vincent antrilli, Jr.

Vincent Antrilli, Jr. Environmental Specialist Inactive Hazardous Sites Branch Superfund Section

Enclosure

CC: Guilford County Health Department

Client: NCDENR - DWM - DSCA

Description: 7088 AGATHA-B

Date Sampled:07/07/2014 1207 Date Received: 07/08/2014 Laboratory ID: PG08011-008

Matrix: Aqueous

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B107/16/2014 1353EH151495

	CAS	Analytical					
Parameter	Number	Method	Resuit	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27- 4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L ·	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ùg/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
rans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
rans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
sopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	*ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Fetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Foluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1 -
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: 7088 AGATHA-B

Date Sampled:07/07/2014 1207 Date Received: 07/08/2014

Toluene-d8

Laboratory ID: PG08011-008

Matrix: Aqueous

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 5030B 07/16/2014 1353 51495

104

1 5030B	82806 1 07	/10/2014 1353 EH		51495		
Parameter	C <i>A</i> Numbe	•	Result Q	PQL	Units	Run
Trichloroethene	79-01-	-6 8260B	ND	0.50	ug/L	1
Trichlorofluoromethane	75-69-	-4 8260B	ND	0.50	ug/L	1
Vinyl chloride	75-01-	-4 8260B	ND	0.50	ug/L	1
Xylenes (total)	1330-20	-7 8260B	ND	0.50	ug/L	1
Surrogate		ceptance Limits			•	
1,2-Dichloroethane-d4	. 98	70-130		-		
Bromofluorobenzene	93	70-130				

70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria



North Carolina Department of Environment and Natural Resources Division of Waste Management

Pat McCrory Governor John E. Skvarla, III Secretary

August 29, 2014

Jimmy and Melodie Autrand 7091 Agatha Drive Stokesdale, NC 27357

RE:

Water Supply Well Sampling Results - Agatha Drive (NONCD0002817)

7091 Agatha Drive Stokesdale, NC 27357

Dear Mr. and Ms. Autrand:

Please find attached the Sample Analytical Results for a water sample collected from your well located at the address referenced above, on July 7, 2014. The sample was submitted for laboratory analyses for Volatile Organic Compounds (VOCs). VOCs were detected in the water sample as shown on the attached sheets.

Because one or more contaminants were detected in the water sample, a Health Risk Evaluation (HRE) of the water supply was performed by our toxicologist. The HRE, which is enclosed, compares the concentration of detected contaminants to acceptable concentrations and provides a recommendation for acceptable uses of the water.

If you have any questions regarding the Health Risk Evaluation, please contact Hanna Assefa at (919) 707-8351 or me at (919) 707-8353.

Sincerely,

Vincent Antrilli, Jr.

Vincent Antrilli, Jr. Environmental Specialist Inactive Hazardous Sites Branch Superfund Section

Enclosure

CC: Guilford County Health Department

MEMORANDUM

TO:

Vince Antrilli

Inactive Hazardous Sites Branch

Superfund Section

FROM:

Hanna Assefa, Industrial Hygiene Consultant

Inactive Hazardous Sites Branch

Superfund Section

RE:

Health Risk Evaluation

Agatha Drive 7091 Agatha-B

Stokesdale, Guilford County

NONCD 000 2817

A water sample was collected from the subject well on July 7, 2014. The concentration of 1,2-Dichloropropane detected in the water sample is below applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the health based North Carolina Groundwater Quality Standard (15A NCAC 2L)/ Interim Standard (IMAC). If both the USEPA MCL and health-based North Carolina 2L/IMAC are not available, a health-based concentration is calculated.

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. Therefore, based on this evaluation, the water from this can be used for drinking, cooking and all other purposes listed above. The table below compares detected contaminant concentrations with the applicable standards:

Sample #	Contaminant	Concentration (ug/L)	US EPA MCL (ug/L)	NC 2L (ug/L)	Calculated Health Based Concentration (ug/l)
PG08011-009	1,2-Dichloropropane	3.8	5	**	**

^{**} Not Applicable

ug/L= Micrograms of contaminant per liter of water.

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-B

Laboratory ID: PG08011-009

Matrix: Aqueous

Date Sampled:07/07/2014 1225
Date Received: 07/08/2014

 Run
 Prep Method
 Analytical Method
 Dilution
 Analysis Date
 Analyst
 Prep Date
 Batch

 1
 5030B
 8260B
 1
 07/16/2014 1416
 EH1
 51495

	CAS	Analytical	Deale	0	PQL	Units	Run
Parameter	Number	Method	Result	Q			
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15 - 0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	- 1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	· 1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1 .
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1.3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1.1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	3.8		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-01-3	8260B	ND	in the second	0.50	ug/L	1
	100-41-4	8260B	ND		0.50	ug/L	1
Ethylbenzene	591-78-6	8260B	ND		10	ug/L	1
2-Hexanone	98-82-8	8260B	ND		0.50	ug/L	1
Isopropylbenzene	79-20-9	8260B	ND		1.0	ug/L ug/L	1
Methyl acetate					0.50		1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		16	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/Ľ	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	. 1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	. 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1.
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-B Date Sampled:07/07/2014 1225

Laboratory ID: PG08011-009

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B Analytical Method Dilution Analysis Date Analyst Prep Date

07/16/2014 1416

Batch 51495

Parameter		. C Numi		Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0	1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	9-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-0	1-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	0-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A % Recovery	cceptano Limits	ce					
1,2-Dichloroethane-d4		100	70-130						
Bromofluorobenzene		100	70-130						
Toluene-d8		99	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-A Date Sampled:07/07/2014 1238

Laboratory ID: PG08011-010

Matrix: Aqueous

Date Received: 07/08/2014

1

Run Prep Method 5030B Analytical Method Dilution Analysis Date 8260B

07/16/2014 1439

Analyst Prep Date

Batch 51495

Parameter	CAS Number	Analytical Method	Result	Q PQI	_ Units	Run
Acetone	67-64-1	8260B	ND	1	0 ug/L	1
Benzene	71-43-2	8260B	ND	0.5		1
Bromodichloromethane	75-27-4	8260B	ND	0.5		1
Bromoform	75-25-2	8260B	ND	0.5	-	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.5	-	1
2-Butanone (MEK)	78-93-3	8260B	ND		0 ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.5	•	- 1
Carbon disumde Carbon tetrachloride	56-23-5	8260B	ND	0.5	-	1
Chlorobenzene	108-90-7	8260B	ND	0.5		1
Chloroethane	75-00-3	8260B	ND	0.5		1
Chloroform	67-66-3	8260B	ND	0.5	•	1
Chloromethane (Methyl chloride)	7 4 -87-3	8260B	ND	0.6	=	1
Cyclohexane	110-82-7	8260B	ND	0.5	_	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.8		1
Dibromochloromethane	124-48-1	8260B	ND	0.9	_	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.0		1
1,2-Diblomoethane (EBB)	95-50-1	8260B	ND	0.9		1
1,3-Dichlorobenzene	541-73-1	8260B	ND	0.9		1
•	106-46-7	8260B	ND	0.4	•	1
1,4-Dichlorobenzene	75-71-8	8260B	ND	0.9	=	1
Dichlorodifluoromethane	75-34-3	8260B	ND	0.9	•	1
1,1-Dichloroethane	107-06-2	8260B	ND	0.9	-	1
1,2-Dichloroethane	75-35-4	8260B	ND	0.	_	1
1,1-Dichloroethene	156-59-2	8260B	ND	0.1		1
cis-1,2-Dichloroethene	156-60-5	8260B	ND	0.9	•	1
trans-1,2-Dichloroethene		8260B	ND	0.:		1
1,2-Dichloropropane	78-87-5		ND.	0.	-	1
cis-1,3-Dichloropropene	10061-01-5	8260B		0.	•	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		-	1
Ethylbenzene	100-41-4	8260B	ND	0.	-	
2-Hexanone	591-78-6	8260B	ND		10 ug/L	1
Isopropylbenzene	98-82-8	8260B	ND	0.4	•	1
Methyl acetate	79-20-9	8260B	ND		.0 ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	0.	-	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10 ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		.0 ug/L	1
Methylene chloride	75-09-2	8260B	ND	0.	•	1
Styrene	100-42-5	8260B	ND	0.	•	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	0.	_	1
Tetrachloroethene	127-18-4	8260B	ND		50 ug/L	1
Toluene	108-88-3	8260B	ND		50 ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		50 ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		50 ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		50 ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND	0.	50 ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-A Date Sampled:07/07/2014 1238

Laboratory ID: PG08011-010

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B

Analytical Method Dilution Analysis Date 07/16/2014 1439

Analyst Prep Date

Batch 51495

Parameter		Num	CAS ber	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0	1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	9-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-0	1-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A % Recovery	Accepta Limits						
1,2-Dichloroethane-d4		97	70-13	0 -					
Bromofluorobenzene		88	70-13	0					
Toluene-d8		101	70-13	0					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-RO Date Sampled: 07/07/2014 1240

Laboratory ID: PG08011-011

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B Analytical Method Dilution Analysis Date Analyst Prep Date 8260B

07/16/2014 1501

Batch 51495

	CAS	Analytical				
Parameter	Number	Method	Result	Q PQL	Units	Run
Acetone	67-64-1	8260B	ND	10	ug/L	1
Benzene	71-43-2	8260B	ND	0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND	0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	0.50	ug/L	, 1
1,3-Dichlorobenzene	541-73-1	8260B	ⁿ ND	0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND	0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND	0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND	0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND	0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND	10	. ug/L	1
Isopropylbenzene	98-82-8	8260B	ND	0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND	5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND	0.50	ug/L	1
Styrene	100-42-5	8260B	ND	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND	0.50	ug/L	1
Toluene	108-88-3	8260B	ND	0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	, 0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	0.50	· ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND	0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND	0.50	ug/L	1
· · · · · · · · · · · · · · · · · · ·					<u></u>	

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-RO
Date Sampled:07/07/2014 1240

Laboratory ID: PG08011-011

Matrix: Aqueous

Date Received: 07/08/2014

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B107/16/2014 1501EH151495

Parameter		C Num		Analytical Method	Result	Q .	PQL	Units	Run
Trichloroethene	*	79-0	1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	75-69 -4		ND		0.50	ug/L	1
Vinyl chloride		75-0	1-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A % Recovery	Acceptan Limits	ce					
1,2-Dichloroethane-d4	14	89	70-130						
Bromofluorobenzene		90	70-130						
Toluene-d8		94	70-130	ı					

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

MEMORANDUM

TO:

Hanna Assefa, Industrial Hygienist

Superfund Section, IHSB

FROM:

Vince Antrilli

Superfund Section, Inactive Hazardous Sites Branch (IHSB)

RE:

Health Risk Evaluation Request

Agatha Drive 7091 Agatha-B

Stokesdale, Guilford County

NONCD 000 2817

Please find attached a copy of the laboratory analytical results for one water supply well sample. This sample was collected on July 7, 2014. Because this sample was collected from a water supply well, the IHSB requests a health risk evaluation and a recommendation for the continued use of this well. This information will be provided to the well user. The following table summarizes the detected compounds and the corresponding concentrations.

Well ID	Compound	Concentration (μg/L)	US EPA MCL (μg/L)	NC 2L (μg/L)
PG08011- 008	1,2-Dichloropropane	3.8	, 5.0	0.6

If you have any questions, please contact me at 707-8353.

Attachment

Report of Analysis

NCDENR - DWM - DSCA

217 West Jones St. Raleigh, NC 27603 Attention: Vincent Antrilli

Busick

Project Name: Russell Rd & Agatha Dr.

Project Number: NONCD0002817

Lot Number: PG08011

Date Completed: 07/18/2014

Nisreen Saikaly
Project Manager

helad:

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative NCDENR - DWM - DSCA

Lot Number: PG08011

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Shealy Environmental Services, Inc.

Page: 2 of 45

Sample Summary NCDENR - DWM - DSCA

Lot Number: PG08011

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	TRIP BLANK	Aqueous	07/07/2014	07/08/2014
002	900 GROOM	Aqueous	07/07/2014 0850	07/08/2014
003	804 GROOM	Aqueous	07/07/2014 0915	07/08/2014
004	190 BUSICK-A	Aqueous	07/07/2014 0952	07/08/2014
005	190 BUSICK-B	Aqueous	07/07/2014 1000	07/08/2014
006	210 BUSICK	Aqueous	07/07/2014 1022	07/08/2014
007	272 BUSICK	Aqueous	07/07/2014 1047	07/08/2014
800	7088 AGATHA-B	Aqueous	07/07/2014 1207	07/08/2014
009	7091 AGATHA-B	Aqueous	07/07/2014 1225	07/08/2014
010	7091 AGATHA-A	Aqueous	07/07/2014 1238	07/08/2014
011	7091 AGATHA-RO	Aqueous	07/07/2014 1240	07/08/2014
012	7093 AGATHA	Aqueous	07/07/2014 1302	07/08/2014
013	7094 AGATHA	Aqueous	07/07/2014 1325	07/08/2014
014	7033 ELLISON	Aqueous	07/07/2014 1347	07/08/2014

(14 samples)

Executive Summary NCDENR - DWM - DSCA

Lot Number: PG08011

Sample	e Sample ID	Matrix	Parameter	Method	Result	Q Units	Page
006	210 BUSICK	Aqueous	Trichloroethene	8260B	1.3	ug/L	16
009	7091 AGATHA-B	Aqueous	1,2-Dichloropropane	8260B	3.8	ug/L	21

(2 detections)

Client: NCDENR - DWM - DSCA

Description: TRIP BLANK

Date Sampled:07/07/2014
Date Received:07/08/2014

Laboratory ID: PG08011-001

Matrix: Aqueous

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B107/16/2014 1113EH151495

	CAS	Analytical				
Parameter	Number	Method	Result	Q PQL	Units	Run
Acetone	67-64-1	8260B	ND	10	ug/L	1
Benzene	71-43-2	8260B	ND	0.50	ug/L	1
Bromodichloromethane	75-27 -4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND	0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	. 0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND	0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/L	1
1.1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND	0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND	0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND	0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND	0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND	10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND	0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND	5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND	0.50	ug/L	1
Styrene	100-42-5	8260B	ND	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	0.50	ug/L ug/L	1
Tetrachloroethene	127-18-4	8260B	ND	0.50	ug/L	1
Toluene	108-88-3	8260B	ND	0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND	0.50	ug/L ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND	0.50	ug/L	1
-,-,=	. 10-00-0	32000	140	0.50	ug/L	,

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: TRIP BLANK

Laboratory ID: PG08011-001

Matrix: Aqueous

Date Sampled:07/07/2014
Date Received:07/08/2014

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B107/16/2014 1113EH151495

Parameter		. C Num		Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0	1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	75-69-4		ND		0.50	ug/L	1
Vinyl chloride		75-0	1-4	8260B	. ND		0.50	_ ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A % Recovery	cceptano Limits	e					
1,2-Dichloroethane-d4		95	70-130						
Bromofluorobenzene		89	70-130						
Toluene-d8		90	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7088 AGATHA-B Date Sampled: 07/07/2014 1207

Laboratory ID: PG08011-008

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B 1

Analytical Method Dilution Analysis Date Analyst Prep Date 8260B

07/16/2014 1353

Batch 51495

Parameter	CAS	Analytical	Denuk	0 801	11!4	P
Parameter	Number	Method	Result	Q PQL	Units	Run
Acetone	67-64-1	8260B	ND	10	ug/L	1
Benzene	71-43-2	8260B	ND	0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND	. 0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND	0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND	0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/L	1
rans-1,2-Dichloroethene	156-60-5	8260B	ND	0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND	0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
rans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND	0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND	10	ug/L	1
sopropylbenzene	98-82-8	8260B	ND	0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	· ND	0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND	5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND	0.50	ug/L ug/L	1
Styrene	100-42-5	8260B	ND	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	0.50		1
Fetrachloroethene	127-18-4	8260B	ND ND	0.50	ug/L ug/L	1
Foluene	108-88-3	8260B	ND	0.50	ug/L ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	0.50		1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND.	0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	- ND	0.50	ug/L	1
1,1,2-Trichloroethane	71-55-6 79-00-5	8260B 8260B	ND ND	0.50	ug/L ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7088 AGATHA-B
Date Sampled:07/07/2014 1207

Laboratory ID: PG08011-008

Matrix: Aqueous

Date Received: 07/08/2014

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B107/16/2014 1353EH151495

1 5030B	020	DOB I I	07/16/2014	1353 EH	i		51495		
Parameter		(Num		Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0	01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	§9-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-0)1-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 / % Recovery	Acceptanc Limits	e					
1,2-Dichloroethane-d4		98	70-130						
Bromofluorobenzene		93	70-130						
Toluene-d8		104	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-B Date Sampled: 07/07/2014 1225

Laboratory ID: PG08011-009

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B Analytical Method Dilution Analysis Date Analyst Prep Date 8260B 07/16/2014 1416 EH1

Batch 51495

Parameter	CAS	Analytical	 Doguđe	•	DOL	10.00	ъ.
	Number	Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1 .
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1 .
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	3.8		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	-	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	
Methylcyclohexane	108-87-2	8260B	ND			ug/L	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/L	1
Styrene	100-42-5				0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND ND		0.50	ug/L	1
Tetrachloroethene	79-34-5 127-18-4	8260B 8260B	ND ND		0.50 0.50	ug/L	1
Toluene	108-88-3	8260B	ND ND			ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B			0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1		ND		0.50	ug/L	1
1,1,1-Trichloroethane		8260B	ND		0.50	yg/L	1
1,1,2-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-111011010001118110	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-B Date Sampled:07/07/2014 1225

Laboratory ID: PG08011-009

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B

Analytical Method Dilution Analysis Date Analyst Prep Date 8260B

07/16/2014 1416

Batch 51495

Parameter		(Num		Analytical Method	Result	Q	PQL	Units	Rui
Trichloroethene		79-01-6		8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		0.50	ug/L	- 1
Vinyl chloride		75-01-4		8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q.	Run 1 A	Acceptano Limits	e					٠.
1,2-Dichloroethane-d4		100	70-130						
Bromofluorobenzene		100	70-130						
Toluene-d8		99	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-A Date Sampled:07/07/2014 1238

Date Received: 07/08/2014

Laboratory ID: PG08011-010

Matrix: Aqueous

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 5030B 07/16/2014 1439 8260B 51495

· •	CAS	Analytical				
Parameter	Number	Method	Result	Q PQL	Units	Run
Acetone	67-64-1	8260B	, ND	10	ug/L	1
Benzene	71-43-2	8260B	ND	0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	- 10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	. ND	0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND	0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND.	0.50	ug/L ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/∟ ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND	0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND	0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND	0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND	10	ug/L ug/L	1
Isopropylbenzene	98-82-8	8260B	ND	0.50	-	1
Methyl acetate	79-20-9	8260B	ND	1.0	ug/L	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND	5.0	ug/L	1 .
Methylene chloride	75-09-2	8260B	ND		ug/L	1
Styrene	100-42-5	8260B	ND ND	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND ND	0.50 0.50	ug/L	1
Toluene	108-88-3	8260B	ND	0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B			ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND	0.50	ug/L	1
1,1,2-Trichloroethane	71-33-6 79-00-5		ND	0.50	ug/L	1
-, -,	1 8-00-3	8260B	ND	0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-A Date Sampled:07/07/2014 1238

Date Received: 07/08/2014

Laboratory ID: PG08011-010

Matrix: Aqueous

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/16/2014 1439	EH1	-	51495

Parameter		Num	CAS ber	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-01-6		8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-69-4		8260B	ND		0.50	ug/L	1
Vinyl chloride		75-01-4		8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	. 1
Surrogate	Q	Run 1 A	Acceptar Limits						
1,2-Dichloroethane-d4		97	70-13	0					
Bromofluorobenzene		88	70-13	0					
Toluene-d8		101	70-13	0			•		

H = Out of holding time

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-RO Date Sampled: 07/07/2014 1240

Laboratory ID: PG08011-011

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B 8260B

Analytical Method Dilution Analysis Date 07/16/2014 1501

Analyst Prep Date

Batch 51495

Darameter	CAS	Analytical	_	_		
Parameter	Number	Method	Result	Q PQL	Units	Run
Acetone	67-64-1	8260B	· ND	10	ug/L	1
Benzene	71-43-2	8260B	. ND	0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23 - 5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND	0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L	1
,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.50	ug/L	1
,2-Dichlorobenzene	95-50-1	8260B	ND	0.50	ug/L	1
,3-Dichlorobenzene	541-73-1	8260B	ND	0.50	ug/L	1
,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/L ug/L	1
,1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L	1
,2-Dichloroethane	107-06-2	8260B	ND	0.50	ug/L	1
,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L ug/L	1
is-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/L	1
rans-1,2-Dichloroethene	156-60-5	8260B	ND	0.50	ug/L	1
,2-Dichloropropane	78-87-5	8260B	ND	0.50	•	
is-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
rans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.50	ug/L	1
thylbenzene	100-41-4	8260B	ND ND		ug/L	1
-Hexanone	591-78-6	8260B	ND	0.50	ug/L	1
sopropylbenzene	98-82-8	8260B	ND	10	ug/L	1
Nethyl acetate	79-20-9	8260B		0.50	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	1.0	ug/L	1
-Methyl-2-pentanone	108-10-1		ND	0.50	ug/L	1
Methylcyclohexane	108-10-1	8260B	ND	10	ug/L	1
lethylene chloride	75-09-2	8260B	ND	5.0	ug/L	1
tyrene		8260B	ND	0.50	ug/L	1
,1,2,2-Tetrachloroethane	100-42-5	8260B	ND	0.50	ug/L	1
etrachloroethene	79-3 4- 5 127-18-4	8260B	ND	0.50	ug/L	1
oluene		8260B	ND	0.50	ug/L	1
,1,2-Trichloro-1,2,2-Trifluoroethane	108-88-3	8260B	ND	0.50	ug/L	1
,2,4-Trichlorobenzene	76-13-1	8260B	ND	0.50	ug/L	1
	120-82-1	8260B	ND	0.50	ug/L	1
,1,1-Trichloroethane	71-55-6	8260B	ND	0.50	ug/L	1
,1,2-Trichloroethane	79-00-5	8260B	ND	0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Client: NCDENR - DWM - DSCA

Description: 7091 AGATHA-RO Date Sampled:07/07/2014 1240 Date Received: 07/08/2014

Laboratory ID: PG08011-011

Matrix: Aqueous

Run Prep Method

5030B

Analytical Method Dilution Analysis Date 8260B

07/16/2014 1501

Analyst

Batch 51495

Parameter		Num	CAS ber	Analytical Method	Result	Q	PQL	Units	Rur
Trichloroethene		79-0)1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	9-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-01-4		8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A	Acceptan Limits						
1,2-Dichloroethane-d4		89	70-130)					
Bromofluorobenzene		90	70-130						
Toluene-d8		94	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Laboratory ID: PG08011-012

Description: 7093 AGATHA

Matrix: Aqueous

Date Sampled: 07/07/2014 1302 Date Received: 07/08/2014

5030B

Run Prep Method

Analytical Method Dilution Analysis Date

Analyst Prep Date 07/16/2014 1524

Batch 51495

Parameter	CAS Number	Analytical Method	Result	Q PQL	Units	Rur
Acetone	67-64-1	8260B	ND	10	ug/L	1
Benzene	71-43-2	8260B	ND	0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND	0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.50	ug/L ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	0.50	ug/L	1
1,3-Dichlorobenzene	5 41 -73-1	8260B	ND	0.50	ug/L ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/∟ ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L ug/L	1
1.2-Dichloroethane	107-06-2	8260B	ND	0.50	_	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND	0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND	0.50	ug/L ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
trans-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND	0.50	_	
2-Hexanone	591-78-6	8260B	ND	10	ug/L	1
	98-82-8				ug/L	
Isopropylbenzene Methyl acetate	98-82-8 79-20-9	8260B 8260B	ND	0.50	ug/L	1
Methyl acetate	79-20-9 1634-04-4		ND	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)		8260B	ND	0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	ug/L	1
Methylogo ablatida	108-87-2	8260B	ND	5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND	0.50	ug/L	1
Styrene	100-42-5	8260B	ND	0.50	ug/L	1
1,1,2,2-Tetrachloroethane Tetrachloroethene	79-34-5	8260B	ND	0.50	ug/L	. 1
retrachioroethene Toluene	127-18-4	8260B	ND ND	0.50	ug/L	1
	108-88-3	8260B	ND	0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	. ND	0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND	0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND	0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

Client: NCDENR - DWM - DSCA

Description: 7093 AGATHA

Date Sampled:07/07/2014 1302

Date Received: 07/08/2014

Toluene-d8

Laboratory ID: PG08011-012

Matrix: Aqueous

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch
1 5030B 8260B 1 07/16/2014 1524 EH1 51495

101

Parameter		CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-01- 4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 Accept % Recovery Limi						
1,2-Dichloroethane-d4		96 70-1	30					
Bromofluorobenzene		91 70-1	30					

70-130

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7094 AGATHA Date Sampled:07/07/2014 1325 Laboratory ID: PG08011-013

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date 07/16/2014 1547 5030B 8260B 1

Batch 51495

Parameter	CAS	Analytical	Pocult	Q	PQL	Units	Run
Parameter	Number	Method		ч			
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	. *	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1 ,
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	. 1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND .		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1.1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L ug/L	1
trans-1,3-Dichloropropene	10061-01-3	8260B	ND		0.50	ug/L	1
	100-41-4	8260B	ND ND		0.50		1
Ethylbenzene					10	ug/L	1
2-Hexanone	591-78-6	8260B	ND			ug/L	-
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

N = Recovery is out of criteria

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

P = The RPD between two GC columns exceeds 40%

Client: NCDENR - DWM - DSCA

Description: 7094 AGATHA
Date Sampled:07/07/2014 1325

Laboratory ID: PG08011-013

Matrix: Aqueous

Date Sampled:07/07/2014 13
Date Received:07/08/2014

RunPrep MethodAnalytical MethodDilutionAnalysis DateAnalystPrep DateBatch15030B8260B107/16/2014 1547EH151495

Parameter		Num	CAS ber	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene		79-0	1-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane		75-6	9-4	8260B	ND		0.50	ug/L	1
Vinyl chloride		75-0	1-4	8260B	ND		0.50	ug/L	1
Xylenes (total)		1330-2	20-7	8260B	ND		0.50	ug/L	1
Surrogate	Q	Run 1 A % Recovery	Acceptan Limits	ce			•		
1,2-Dichloroethane-d4		100	70-130	ı			•		
Bromofluorobenzene		88	70-130						
Toluene-d8		118	70-130						

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Client: NCDENR - DWM - DSCA

Description: 7033 ELLISON

Date Sampled: 07/07/2014 1347

Laboratory ID: PG08011-014

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method 5030B Analytical Method Dilution Analysis Date Analyst Prep Date 8260B

07/17/2014 1548

Batch 51627

	CAS	Analytical				
Parameter	Number	Method	Result	Q PQL	Units	Run
Acetone	67-64-1	8260B	ND	10	ug/L	1
Benzene	71-43-2	8260B	ND	0.50	ug/L	1
Bromodichloromethane	75-27 -4	8260B	ND	0.50	ug/L	1
Bromoform	75-25-2	8260B	ND	0.50	ug/L	1 .
Bromomethane (Methyl bromide)	74-83-9	8260B	ND	0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND	10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND	0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND	0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND	0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND	0.50	ug/L	1
Chloroform	67-66-3	8260B	ND	0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND	0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND	0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND	0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND	0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND	0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND	0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND	0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND	0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND	0.50	ug/L	1
1.1-Dichloroethane	75-34-3	8260B	ND	0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND	0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND	0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND	0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND	0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND	0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND	0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND	0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND	0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND	10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND	0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND	1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND	0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND	10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND.	5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND	0.50	ug/L	1
Styrene	100-42-5	8260B	ND	0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND	0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND	0.50	ug/L	1
Toluene	108-88-3	8260B	ND.	0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND	0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND	0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	NĎ	0.50	ug/L ug/L	1
	71-33-6 79-00-5	8260B	ND ND	0.50	ug/L	· 1
1,1,2-Trichloroethane	79-00-5	02000	שמו	0.50	ug/L	ı

PQL = Practical quantitation limit

B = Detected in the method blank

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

Client: NCDENR - DWM - DSCA

Description: 7033 ELLISON Date Sampled:07/07/2014 1347 Laboratory ID: PG08011-014

Matrix: Aqueous

Date Received: 07/08/2014

Run Prep Method

Analytical Method Dilution Analysis Date Analyst Prep Date **Batch** 51627 07/17/2014 15/18

1 5030B	8260B 1	0//1//2014 1548 E	-1 1	51027		
Parameter	Num	CAS Analytical	Result Q	PQL	Units	Run
Trichloroethene	79-1	01-6 8260B	ND	0.50	ug/L	1
Trichlorofluoromethane	75-	69-4 8260B	ND .	0.50	ug/L	1
Vinyl chloride	75-	01-4 8260B	ND	0.50	ug/L	1
Xylenes (total)	1330-	20-7 8260B	ND	0.50	ug/L	1
Surrogate	Run 1 Q % Recovery	Acceptance Limits		·		
1,2-Dichloroethane-d4	98	70-130				
Bromofluorobenzene	91	70-130				
Toluene-d8	100	70-130				

PQL = Practical quantitation limit

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

B = Detected in the method blank J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

QC Summary

Sample ID: PQ51495-001

Batch: 51495 Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

Parameter Result Q Dil PQL Units **Analysis Date** ND 1 Acetone 10 ug/L 07/16/2014 1050 Benzene ND 1 0.50 ug/L 07/16/2014 1050 ND 0.50 Bromodichloromethane 1 ug/L 07/16/2014 1050 Bromoform ND 1 0.50 ug/L 07/16/2014 1050

Bromomethane (Methyl bromide)	ND	1	0.50	ug/L	07/16/2014 1050
2-Butanone (MEK)	ND	1	10	ug/L	07/16/2014 1050
Carbon disulfide	ND	1	0.50	ug/L	07/16/2014 1050
Carbon tetrachloride	N D	1	0.50	ug/L	07/16/2014 1050
Chlorobenzene	ND	1 .	0.50	ug/L	07/16/2014 1050
Chloroethane	ND	.1	0.50	ug/L	07/16/2014 1050
Chloroform	ND	1	0.50	ug/L	07/16/2014 1050
Chloromethane (Methyl chloride)	ND	1	0.50	ug/L	07/16/2014 1050
Cyclohexane	ND	1	0.50	ug/L	07/16/2014 1050
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	0.50	ug/L	07/16/2014 1050
Dibromochloromethane	ND	1	0.50	ug/L	07/16/2014 1050
1,2-Dibromoethane (EDB)	ND	1	0.50	ug/L	07/16/2014 1050
1,4-Dichlorobenzene	ND	1	0.50	ug/L	07/16/2014 1050
1,3-Dichlorobenzene	ND	1	0.50	ug/L	07/16/2014 1050
1,2-Dichlorobenzene	ND	1	0.50	ug/L	07/16/2014 1050
Dichlorodifluoromethane	ND	1	0.50	ug/L	07/16/2014 1050
1,2-Dichloroethane	ND	1	0.50	ug/L	07/16/2014 1050
1,1-Dichloroethane	ND	1	0.50	ug/L	07/16/2014 1050
trans-1,2-Dichloroethene	ND	1	0.50	ug/L	07/16/2014 1050
cis-1,2-Dichloroethene	ND	1	0.50	ug/L	07/16/2014 1050
1,1-Dichloroethene	ND	1	0.50	ug/L	07/16/2014 1050
1,2-Dichloropropane	ND .	1	0.50	ug/L	07/16/2014 1050
trans-1,3-Dichloropropene	ND	1	0.50	ug/L	07/16/2014 1050
cis-1,3-Dichloropropene	ND	1	0.50	ug/L	07/16/2014 1050
Ethylbenzene	ND	1	0.50	ug/L	07/16/2014 1050
2-Hexanone	ND	1	10	ug/L	07/16/2014 1050
Isopropylbenzene	ND .	1	0.50	ug/L	07/16/2014 1050
Methyl acetate	ND	1	1.0	ug/L	07/16/2014 1050
Methyl tertiary butyl ether (MTBE)	N D	1	0.50	ug/L	07/16/2014 1050
4-Methyl-2-pentanone	ND	1	10	ug/L	07/16/2014 1050
Methylcyclohexane	ND	1	5.0	ug/L	07/16/2014 1050
Methylene chloride	ND	1	0.50	ug/L	07/16/2014 1050
Styrene	ND	1	0.50	ug/L	07/16/2014 1050
1,1,2,2-Tetrachloroethane	ND	1	0.50	ug/L	07/16/2014 1050
Tetrachloroethene	ND	1	0.50	ug/L	07/16/2014 1050
Toluene	ND	1	0.50	ug/L	07/16/2014 1050
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1	0.50	ug/L	07/16/2014 1050
1,2,4-Trichlorobenzene	·ND	1	0.50	ug/L	07/16/2014 1050
1,1,2-Trichloroethane	ND	1	0.50	ug/L	07/16/2014 1050
1,1,1-Trichloroethane	ND	1	0.50	ug/L	07/16/2014 1050

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51495-001

Batch: 51495

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Result	Q Di	PQL	Units	Analysis Date
Trichloroethene	ND	1	0.50	ug/L	07/16/2014 1050
Trichlorofluoromethane	ND	1	0.50	ug/L	07/16/2014 1050
Vinyl chloride	ND	1	0.50	ug/L	07/16/2014 1050
Xylenes (total)	ND	1	0.50	ug/L	07/16/2014 1050
Surrogate	Q % Rec	Acceptane Limit	ee-		
Bromofluorobenzene	94	70-130			
1,2-Dichloroethane-d4	94	70-130			
Toluene-d8	104	70-130		•	

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51495-002

Batch: 51495

Matrix: Aqueous Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	94	.,	1	94	60-140	07/16/2014 0919
Benzene	50	55		1	109	70-130	07/16/2014 0919
Bromodichloromethane	50	50		1	101	70-130	07/16/2014 0919
Bromoform	50	48		. 1	96	70-130	07/16/2014 0919
Bromomethane (Methyl bromide)	50	53		1	106	60-140	07/16/2014 0919
2-Butanone (MEK)	100	86		1	86	60-140	07/16/2014 0919
Carbon disulfide	50	56		1	113	60-140	07/16/2014 0919
Carbon tetrachloride	50	56		1	113	70-130	07/16/2014 0919
Chlorobenzene	50	50		1	100	70-130	07/16/2014 0919
Chloroethane	50	56		1	113	42-163	07/16/2014 0919
Chloroform	50	52		1	103	70-130	07/16/2014 0919
Chloromethane (Methyl chloride)	50	51		1	102	20-158	07/16/2014 0919
Cyclohexane	50	61		1	122	70-130	07/16/2014 0919
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	90	70-130	07/16/2014 0919
Dibromochloromethane	50	50		1	100	70-130	07/16/2014 0919
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	07/16/2014 0919
1,4-Dichlorobenzene	50	53		1	105	70-130	07/16/2014 0919
1,3-Dichlorobenzene	50	52		1	105	70-130	07/16/2014 0919
1.2-Dichlorobenzene	50	51		1	101	70-130	07/16/2014 0919
Dichlorodifluoromethane	50	52		1	104	60-140	07/16/2014 0919
1.2-Dichloroethane	50	57		1	114	70-130	07/16/2014 0919
1.1-Dichloroethane	50	53		. 1	106	70-130	07/16/2014 0919
rans-1,2-Dichloroethene	50	52		1	104	70-130	07/16/2014 0919
cis-1,2-Dichloroethene	50	50		1	100	70-130	07/16/2014 0919
1,1-Dichloroethene	50	54		1	107	70-130	07/16/2014 0919
1,2-Dichloropropane	50	55		1	111	70-130	07/16/2014 0919
rans-1,3-Dichloropropene	50	53		. 1	106	70-130	07/16/2014 0919
cis-1,3-Dichloropropene	50	54		1	108	70-130	07/16/2014 0919
Ethylbenzene	50	53		1	105	70-130	07/16/2014 0919
2-Hexanone	100	100		1	102	60-140	07/16/2014 0919
sopropylbenzene	50	54		1	108	70-130	07/16/2014 0919
	50	42	e e	1	83	70-130	07/16/2014 0919
Methyl acetate Methyl tertiary butyl ether (MTBE)	50	52		1	103	70-130	07/16/2014 0919
	100	110		1	109	60-140	07/16/2014 0919
4-Methyl-2-pentanone Methylcyclohexane	50	54		1	108	70-130	07/16/2014 0919
Methylene chloride	50	49		1	97	70-130 70-130	07/16/2014 0919
	50 50	4 9 52		1	105	70-130	07/16/2014 0919
Styrene	50 50	52 54		1	108	70-130 70-130	07/16/2014 0919
1,1,2,2-Tetrachloroethane Tetrachloroethene				1	106	70-130 70-130	07/16/2014 0919
i etracnioroetnene Foluene	50 50	53 53		1	106	70-130 70-130	07/16/2014 0919
1,1,2-Trichloro-1,2,2-Trifluoroethane	50 50	53 53		1	106	70-130	07/16/2014 0919
	50	45		1	91	70-130	07/16/2014 0919
1,2,4-Trichlorobenzene		4 5		1	99	70-130	07/16/2014 0919
1,1,2-Trichloroethane	50						
1,1,1-Trichloroethane	50	51		1	102	70-130	07/16/2014 0919

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51495-002

Batch: 51495

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L) Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	51	1	102	70-130	07/16/2014 0919
Trichlorofluoromethane	50	53	· 1	106	60-140	07/16/2014 0919
Vinyl chloride	50	48	1 .	97	60-140	07/16/2014 0919
Xylenes (total)	100	100	1	104	70-130	07/16/2014 0919
Surrogate	Q % Rec	Acceptance Limit				
Bromofluorobenzene	97	70-130				
1,2-Dichloroethane-d4	97	70-130				
Toluene-d8	104	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51495-003 Batch: 51495 Matrix: Aqueous Prep Method: 5030B

Analytical Method: 8260B

	Spike								
	Amount	Result	^	5	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Parameter	(ug/L)	(ug/L)	Q	Dil					
Acetone	100	94		1	94	0.64	60-140	20	07/16/2014 0942
Benzene	50	54		1	108	0.63	70-130	20	07/16/2014 0942
Bromodichloromethane	50	49		1	99	2.0	70-130	20	07/16/2014 0942
Bromoform	50	50		1	99	3.7	70-130	20	07/16/2014 0942
Bromomethane (Methyl bromide)	50	45		_ 1	90	17	60-140	20	07/16/2014 0942
2-Butanone (MEK)	100	100		1	104	18	60-140	20	07/16/2014 0942
Carbon disulfide	50	52		1	103	8.8	60-140	20	07/16/2014 0942
Carbon tetrachloride	50	51		1	101	. 11	70-130	20	07/16/2014 0942
Chlorobenzene	50	50		1	100	0.12	70-130	20	07/16/2014 0942
Chloroethane	50	50		1	99	12	42-163	20	07/16/2014 0942
Chloroform	50	51		1	102	1.1	70-130	20	07/16/2014 0942
Chloromethane (Methyl chloride)	50	51		1	101	0.56	20-158	20	07/16/2014 0942
Cyclohexane	50	56		1	112	8.8	70-130	20	07/16/2014 0942
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	6.3	70-130	20	07/16/2014 0942
Dibromochloromethane	50	56		1	112	11	70-130	20	07/16/2014 0942
1,2-Dibromoethane (EDB)	50	53		1	105	5.1	70-130	20	07/16/2014 0942
1,4-Dichlorobenzene	50	53		1	106	0.46	70-130	20	07/16/2014 0942
1.3-Dichlorobenzene	50	54		1	107	2.2	70-130	20	07/16/2014 0942
1,2-Dichlorobenzene	50	52		1	104	2.6	70-130	20	07/16/2014 0942
,	50	51		1	103	1.3	60-140	20	07/16/2014 0942
Dichlorodifluoromethane	50	49		1	99	15	70-130	20	07/16/2014 0942
1,2-Dichloroethane		4 9 50		1	99	7.2	70-130	20	07/16/2014 0942
1,1-Dichloroethane	50			1	114	8.9	70-130	20	07/16/2014 0942
trans-1,2-Dichloroethene	50 50	57 54		1	109	8.0	70-130	20	07/16/2014 0942
cis-1,2-Dichloroethene	50			1	103	4.1	70-130	20	07/16/2014 0942
1,1-Dichloroethene	50	51				1.3	70-130	20	07/16/2014 0942
1,2-Dichloropropane	50	55 		1	109		70-130	20	07/16/2014 0942
trans-1,3-Dichloropropene	50	52		1	104	2.1			07/16/2014 0942
cis-1,3-Dichloropropene	50	62		1	124	14	70-130	20	
Ethylbenzene	50	53		1	106	1.1	70-130	20	07/16/2014 0942
2-Hexanone	100	98		1	98	3.4	60-140	20	07/16/2014 0942
Isopropylbenzene	50	53		1	106	1.1	70-130	20	07/16/2014 0942
Methyl acetate	50	42		1	85	2.0	70-130	20	07/16/2014 0942
Methyl tertiary butyl ether (MTBE)	50	57		1	115	11	70-130	20	07/16/2014 0942
4-Methyl-2-pentanone	100	120		. 1	120	9.2	60-140	20	07/16/2014 0942
Methylcyclohexane	50	57		1	114	5.6	70-130	20	07/16/2014 0942
Methylene chloride	50	48		1	95	2.1	70-130	20	07/16/2014 0942
Styrene	50	57		1	113	7.7	70-130	20	07/16/2014 0942
1,1,2,2-Tetrachloroethane	50	55		. 1	111	2.0	70-130	20	07/16/2014 0942
Tetrachloroethene	50	53		1	105	0.39	70-130	20	07/16/2014 0942
Toluene	50	55		1	109	3.7	70-130	20	07/16/2014 0942
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	100	6.0	70-130	20	07/16/2014 0942
1,2,4-Trichlorobenzene	50	49		1	97	6.7	70-130	20	07/16/2014 0942
1,1,2-Trichloroethane	50	50		1	100	0.60	70-130	20	07/16/2014 0942
1,1,1-Trichloroethane	50	50	* *	1	100	1.9	70-130	20	07/16/2014 0942
1,1,1 1100001000		- -		•					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51495-003

Batch: 51495

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L) Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	51	1	102	0.29	70-130	20	07/16/2014 0942
Trichlorofluoromethane	50	52	1	104	2.7	60-140	20	07/16/2014 0942
Vinyl chloride	50	48	1	96	0.66	60-140	20	07/16/2014 0942
Xylenes (total)	100	110	1	106	1.6	70-130	20	07/16/2014 0942
Surrogate	Q % Rec	Accepta Limit						
Bromofluorobenzene	103	70-13	30					
1,2-Dichloroethane-d4	97	70-13	30					
Toluene-d8	105	70-13	30					

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and > MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51627-001 Batch: 51627

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	07/17/2014 1046
Benzene	ND	•	1	0.50	ug/L	07/17/2014 1046
Bromodichloromethane	ND		1	0.50	ug/L	07/17/2014 1046
Bromoform	ND		1	0.50	ug/L	07/17/2014 1046
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	07/17/2014 1046
2-Butanone (MEK)	ND		1	10	ug/L	07/17/2014 1046
Carbon disulfide	ND		1 .	0.50	ug/L	07/17/2014 1046
Carbon tetrachloride	ND		1	0.50	ug/L	07/17/2014 1046
Chlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
Chloroethane	ND		1	0.50	ug/L	07/17/2014 1046
Chloroform	ND		1	0.50	ug/L	07/17/2014 1046
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	07/17/2014 1046
Cyclohexane	ND ·		1	0.50	ug/L	07/17/2014 1046
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	07/17/2014 1046
Dibromochloromethane	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	07/17/2014 1046
1,4-Dichlorobenzene	ND		. 1	0.50	ug/L	07/17/2014 1046
. 1,2-Dichlorobenzene	ND		1.	0.50	ug/L	07/17/2014 1046
1,3-Dichlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
Dichlorodifluoromethane	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dichloroethane	ND		1	0.50	ug/L	07/17/2014 1046
1,1-Dichloroethane	ND		1	0.50	ug/L	07/17/2014 1046
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	07/17/2014 1046
1,1-Dichloroethene	ND		1	0.50	ug/L	07/17/2014 1046
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	07/17/2014 1046
1,2-Dichloropropane	ND		1	0.50	ug/L	07/17/2014 1046
trans-1,3-Dichloropropene	ND		1 .	0.50	ug/L	07/17/2014 1046
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	07/17/2014 1046
Ethylbenzene	ND		1	0.50	ug/L	07/17/2014 1046
2-Hexanone	ND		1	10	ug/L	07/17/2014 1046
Isopropylbenzene	ND		1	0.50	ug/L	07/17/2014 1046
Methyl acetate	ND		1	1.0	ug/L	07/17/2014 1046
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	07/17/2014 1046
4-Methyl-2-pentanone	ND		1	10	ug/L	07/17/2014 1046
Methylcyclohexane	ND		1	5.0	ug/L	07/17/2014 1046
Methylene chloride	ND		1	0.50	ug/L	07/17/2014 1046
Styrene	ND		1	0.50	ug/L	07/17/2014 1046
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	07/17/2014 1046
Tetrachloroethene	ND		1	0.50	ug/L	07/17/2014 1046
Toluene	ND		1 .	0.50	ug/L	07/17/2014 1046
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	07/17/2014 1046
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	07/17/2014 1046
1,1,2-Trichloroethane	ND		1	0.50	ug/L	07/17/2014 1046
1,1,1-Trichloroethane	ND		1	0.50	ug/L	07/17/2014 1046
, ,			•	3.00	~g, L	077772317 1070

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" $\,$

Sample ID: PQ51627-001

Batch: 51627

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

Parameter	Result	Q Dii	PQL	Units	Analysis Date
		4			07/17/2014 1046
Trichloroethene	ND	1	0.50	ug/L	
Trichlorofluoromethane	ND	1	0.50	ug/L	07/17/2014 1046
Vinyl chloride	ND	1	0.50	ug/L	07/17/2014 1046
Xylenes (total)	ND	1	0.50	ug/L	07/17/2014 1046
Surrogate	Q % Rec	Acceptano Limit	e ·		
Bromofluorobenzene	93	70-130			
1,2-Dichloroethane-d4	97	70-130			
Toluene-d8	101	70-130			

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" $\,$

Sample ID: PQ51627-002 Batch: 51627 Matrix: Aqueous Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	96	i	1	96	60-140	07/17/2014 0915
Benzene	50	53		1	105	70-130	07/17/2014 0915
Bromodichloromethane	50	49		1	98	70-130	07/17/2014 0915
Bromoform	50	46		1	92	70-130	07/17/2014 0915
Bromomethane (Methyl bromide)	50	48		1	95	60-140	07/17/2014 0915
2-Butanone (MEK)	100	93		1	93	60-140	07/17/2014 0915
Carbon disulfide	50	54		1	108	60-140	07/17/2014 0915
Carbon tetrachloride	50	49		1	98	70-130	07/17/2014 0915
Chlorobenzene	50	48		1	96	70-130	07/17/2014 0915
Chloroethane	50	54		1	108	42-163	07/17/2014 0915
Chloroform	50	50		1	100	70-130	07/17/2014 0915
Chloromethane (Methyl chloride)	50	46		1	92	20-158	07/17/2014 0915
Cyclohexane	50	60		1	120	70-130	07/17/2014 0010
,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	70-130 70-130	07/17/2014 0915
Dibromochloromethane	50	48		1	95	70-130	07/17/2014 0915
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	07/17/2014 0915
1,4-Dichlorobenzene	50	51		1	101	70-130	07/17/2014 0915
1,2-Dichlorobenzene	50	49		1	98	70-130	07/17/2014 0915
,3-Dichlorobenzene	50	50		1	101	70-130	07/17/2014 0915
Dichlorodifluoromethane	50	50		1	100	60-140	07/17/2014 0915
1,2-Dichloroethane	50	50		1	99	70-130	07/17/2014 0915
,	50	50 51		1	102	70-130	07/17/2014 0915
I,1-Dichloroethane		51 51		1	102	70-130 70-130	07/17/2014 0915
rans-1,2-Dichloroethene I,1-Dichloroethene	50 50	51 52		1	103	70-130 70-130	07/17/2014 0915
	50	52 50		4	101	70-130 70-130	07/17/2014 0915
cis-1,2-Dichloroethene	50	50 54		1	107	70-130 70-130	07/17/2014 0915
1,2-Dichloropropane				·		70-130 70-130	
rans-1,3-Dichloropropene	50 50	51 52		1	102 105	70-130 70-130	07/17/2014 0915 07/17/2014 0915
cis-1,3-Dichloropropene				1			
Ethylbenzene	50	51		1	102	70-130	07/17/2014 0915
2-Hexanone	100	100		1	104	60-140	07/17/2014 0915
sopropylbenzene	50	52		1	103	70-130	07/17/2014 0915
Methyl acetate	50	46		1	92	70-130	07/17/2014 0915
Methyl tertiary butyl ether (MTBE)	50	50		1	99	70-130	07/17/2014 0915
4-Methyl-2-pentanone	100	110		1	113	60-140	07/17/2014 0915
Methylcyclohexane	50	52		1	104	70-130	07/17/2014 0915
Methylene chloride	50	48		1	96	70-130	07/17/2014 0915
Styrene	50	51		1	102	70-130	07/17/2014 0915
1,1,2,2-Tetrachloroethane	50	52		1	104	70-130	07/17/2014 0915
letrachloroethene	50	50		1	101	70-130	07/17/2014 0915
Toluene	50	51		1	101	70-130	07/17/2014 0915
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	70-130	07/17/2014 0915
1,2,4-Trichlorobenzene	50	. 42		1 .	83	70-130	07/17/2014 0915
1,1,2-Trichloroethane	50	48		1	96 🛴	70-130	07/17/2014 0915
1,1,1-Trichloroethane	50	48		1	96	70-130	07/17/2014 0915

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

 $J = Estimated result < PQL and <math>\geq MDL$

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51627-002

Batch: 51627

Analytical Method: 8260B

Matrix: Aqueous Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L) Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	49	1	98	70-130	07/17/2014 0915
Trichlorofluoromethane	50	52	1	105	60-140	07/17/2014 0915
Vinyl chloride	50	46	1	91	60-140	07/17/2014 0915
Xylenes (total)	100	100	1	100	70-130	07/17/2014 0915
Surrogate	Q % Rec	Acceptance Limit				
Bromofluorobenzene	108	70-130				
1,2-Dichloroethane-d4	111	70-130				
Toluene-d8	118	70-130	•			

PQL = Practical quantitation limit

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+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51627-003

Batch: 51627

Matrix: Aqueous Prep Method: 5030B

Analytical Method: 8260B

	Spike								
Downwards.	Amount	Result	^	р.:	9/ Boo	% RPD	% Rec	% RPD Limit	
Parameter	(ug/L)	(ug/L)	Q .	Dii	% Rec		Limit	· · · · · · · · · · · · · · · · · · ·	Analysis Date
Acetone	100	110		1	107	11	60-140	20	07/17/2014 0938
Benzene	50	53		1	106	0.38	70-130	20	07/17/2014 0938
Bromodichloromethane	50	49		1	97	1.2	70-130	20	07/17/2014 0938
Bromoform	50	47		1	93	0.87	70-130	20	07/17/2014 0938
Bromomethane (Methyl bromide)	50	50		1	99	3.9	60-140	20	07/17/2014 0938
2-Butanone (MEK)	100	96		1	96	3.5	60-140	20	07/17/2014 0938
Carbon disulfide	50	54		1	107	0.11	60-140	20	07/17/2014 0938
Carbon tetrachloride	50	49		1	99	1.1	70-130	20	07/17/2014 0938
Chlorobenzene	50	48		1	96	0.59	70-130	20	07/17/2014 0938
Chloroethane	50	54		1	107	0.44	42-163	20	07/17/2014 0938
Chloroform	50	50		1	101	0.43	70-130	20	07/17/2014 0938
Chloromethane (Methyl chloride)	50	46		1	92	0.74	20-158	20	07/17/2014 0938
Cyclohexane	50	59		1	118	2.0	70-130	20	07/17/2014 0938
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	97	8.3	70-130	20	07/17/2014 0938
Dibromochloromethane	50	49		1	97	1.8	70-130	20	07/17/2014 0938
1,2-Dibromoethane (EDB)	50	49		1	98	2.0	70-130	20	07/17/2014 0938
1,4-Dichlorobenzene	50	51		1	102	0.65	70-130	20	07/17/2014 0938
1,2-Dichlorobenzene	50	49		1	99	0.77	70-130	20	07/17/2014 0938
1,3-Dichlorobenzene	50	51		1	102	0.71	70-130	20	07/17/2014 0938
Dichlorodifluoromethane	50	50		1	101	0.79	60-140	20	07/17/2014 0938
1,2-Dichloroethane	50	50		1	99	0.15	70-130	20	07/17/2014 0938
1,1-Dichloroethane	50	51		1	103	0.52	70-130	20	07/17/2014 0938
trans-1,2-Dichloroethene	50	50		1	101	0.61	70-130	20	07/17/2014 0938
1,1-Dichloroethene	50	51		. 1	102	0.81	70-130	20	07/17/2014 0938
cis-1,2-Dichloroethene	50	51		1	102	1.6	70-130	20	07/17/2014 0938
1,2-Dichloropropane	50	54		1	107	0.26	70-130	20	07/17/2014 0938
trans-1,3-Dichloropropene	50	51		1	102	0.37	70-130	20	07/17/2014 0938
cis-1,3-Dichloropropene	50 50	52		1	105	0.13	70-130	20	07/17/2014 0938
Ethylbenzene	50	51		1	102	0.50	70-130	20	07/17/2014 0938
2-Hexanone	100	110		1	107	2.8	60-140	20	07/17/2014 0938
		50		1		2.6	70-130	20	07/17/2014 0938
Isopropylbenzene	50 50	47 ·			100	2.6	70-130	20	07/17/2014 0938
Methyl acetate	50			1	94				
Methyl tertiary butyl ether (MTBE)	50	51		1	102	2.8	70-130	20	07/17/2014 0938
4-Methyl-2-pentanone	100	120		1	115	1.9	60-140	20	07/17/2014 0938
Methylcyclohexane	50	53		1	105	1.1	70-130	20	07/17/2014 0938
Methylene chloride	50	48		1′	95	0.85	70-130	20	07/17/2014 0938
Styrene	50	52		- 1	103	1.6	70-130	20	07/17/2014 0938
1,1,2,2-Tetrachloroethane	50	53		1	106	1.7	70-130	20	07/17/2014 0938
Tetrachloroethene	50	50		1	101		70-130	20	07/17/2014 0938
Toluene	50	51		1	102	1.1	70-130	20	07/17/2014 0938
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	52		1	104	0.098	70-130	20	07/17/2014 0938
1,2,4-Trichlorobenzene	50	45		1	90	7.4	70-130	20	07/17/2014 0938
1,1,2-Trichloroethane	50	48		1.	97	0.25	70-130	20	07/17/2014 0938
1,1,1-Trichloroethane	50	50		1	100	3.6	70-130	20	07/17/2014 0938

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+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Sample ID: PQ51627-003

Batch: 51627

Analytical Method: 8260B

Matrix: Aqueous

Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Resu (ug/L		Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	49		1	97	0.73	70-130	20	07/17/2014 0938
Trichlorofluoromethane	50	53		1	106	0.71	60-140	20	07/17/2014 0938
Vinyl chloride	50	45		1	90	1.1	60-140	20	07/17/2014 0938
Xylenes (total)	100	100		1	101	0.74	70-130	20	07/17/2014 0938
Surrogate	Q %	Rec	Acceptance Limit	•					·
Bromofluorobenzene	9	96	70-130					-	
1,2-Dichloroethane-d4	9	95	70-130						
Toluene-d8	10	03	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc. 106 Vantage Point Drive

West Cotumbia, South Carolina 29172

Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 18372

Bottle (See Instructions on back) O.F. Collination Number of Containers PG08011 Pusic R GEATHA Temp. Blank Postor Cuote No TIME Time ភ CNon-Hazard militarinable miskin britani Pacsity Temp. 4.3 7-8-4 7-8-4 Possible Hazard Identification Date 200 Date JAYes OND Close Pech Sampier (Printed Name QC Requirements (Specify) Received on los (Client) Waybill No. www.ghealylab.com . Received by 2. Received by Received by LAB USE ON 5781 C Return to Client Disposal by Cab 7me 0920 SISYIBUA 1630 Note: All samples are retained for six weeks from receipt Time MIDO Time Reports Contect WENT. Telephone No. / Fax No. / Emel Matrix Sample Disposa DAY WAY Park Come が一方 uniess other arrangements are made. 6. No This. F FOO 80 전 。 と 語 200 C=Composite Preservative **G#31£)**≈5 and for expectled TAT 2 N#OHZmA 2021 /236 1022 からな 352 722 RS 2/5/ L. Urpres. 3.142504 990 **TESOS** 大人 Date 17603 Turn Ancund Time Required (Prior lab approval rest 12 Code 14 Cod Toject Number Noncoba 24 7086 AGATHA -B Standard in Austr (Please Specify) ASATHA - B AG47#4 - A Containers for each sample may be AJCOENE - DAM 26 Bushe - B ე ე Sample ID / Description 100 CD00 1877 combined on one lime) 196 Bushek. 264 Gran 172 Busick 216 Busick 100 GREGAM TOP BLANCE 3. Relinquished by 4. Ralinquished by KENATHA ACETUR Project Name 709 Address

Chain of Custody Record

HEALY

Chain of Custody Record

Shealy Erwironmental Services, Inc. 106 Vantage Point Drive

106 Vantage Point Drive West Columbia, South Carolina 29172 Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 18373

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ited (Phor the approval required for capealitied TAT) Sample Disposal by Late Annual Professible Hazard Identification 1 Sampler 1 Sampler 2 Received by Caste Time 3. Received by Date Time 1 Date Time 3. Received by Time 1. Servery Received by 1. Servery Rece	itied (Phior the appared for capealted TAT) Sample Disposal CC Requirements (Specify) Possible Hazard Identification 2. Received by Date Date Time 2. Received by Date Time 3. Received by Date																		
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Sample	Sample	Februard D Rush (Please Specify)	3	The common		2 2 E		Disposa					S		Hazed	TIBELIA COLE			
Date Time 2. Received by Date Date Date Date	Fold Time 2. Received by Date Fold Time 3. Received by Date Fold Time 3. Received by Date Fold Time 4. Laboratory Received by Time Date Fold Time 4. Laboratory Received by Time Date Fold Weeks from receipt LAB USE CIVIL'Y TIME THE DATE THAT THE THAT TIME THAT THE DATE THAT THE THAT THE THAT THE THAT THE THAT THAT	1. Relippingted by I Sampler	(Y		ats/	140		1/2 W	0	# 8000	wad by					e de la composition della comp		IE	i
Fodex Date Time 3. Received by Date Fodex 7-8-14 G920 Kelly Laboratory Received by 7-8-14 All samples are retained for six weeks from receipt CAB USE ONLY 1.8-14	Follow Time 3. Received by Date Follow Table Tab	2. Rejectivished by	~) 		F	£		2. Rece	Aved by					Darbe		-Time	
All samples are retained for six weeks from receipt LAB USE ONLY 1	All samples are retained for six weeks from receipt take use only facehold by All samples are retained for six weeks from receipt take use only facehold by the only facehold by	3. Kefinguished by			96 23		Ē	<u> </u>		3. Rece	yd baw					Date			
r six weeks from receipt LAB USE ONLY /	ents are made. LAB USE ONLY		Š		7-8e	三	E O	930		4. S	該	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3			2.8-7	≥	##T 640	
	Inscrean Little (Allega) As the Callet (Alegan) British (C.	Note: All samples are	retaine	d for six	Week	S from	n rec	elpt		LAB US	SE CINILY	7			jese d	3			

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc. Document Number: F-AD-016 Revision Number: 14

Page 1 of 1 Replaces Date: 09/26/13 Effective Date: 03/07/14

Sample Receipt Checklist (SRC)

		nspected by/date: K		****************	Sanita de la companya della companya della companya de la companya de la companya della companya
leans of receipt: SE	And the second s			borne Exp 🔲	Other
es 1 No 7 Rule	I. Were custod	y seals present on th	e cooler?		
		als were present, we			
ooler ID/Original temper	ature upon receipt/I	erived (corrected) t	emperature upo	an receipt:	
<u>rus 14.2 j.4.3 °C _</u>	<u> </u>	1	_°C/_	/ºC	15
fethod: 🛮 Temperat <u>ure</u>)				n Correction Facto	or:°C
lethod of coolant: 📝	Wet Ice 🖳 🛮 B	lue Ice Dr	/ Ice	None	
es 🗆 No 🗆 NA 🛭	PM notified by	of any cooler exceed SRC, phone, note (c sived via commercia	ircle one), othe		otified?
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es No C		es received within y		me or 48 hours, w	hichever
cs No Z		des containers missi	nø?		
es No Z		excess samples not		7	
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es No NA Z		/O&G/HEM/nutries			
es No NA		e and/or sulfide san			
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es No NA		temperatures docu	mented on the	COC for NC same	lex?
es 🗆 No 🗆 NA 🗹	23. Were client rer	parks/requests (i.e. r ascribed from the C	equested diluti	ons, MS/MSD des	ignations,
cs No 2		number used taken f			
		r any sample(s) inc			pace.)
ample(s)				preserved and we	
cordingly in sample rece	iving with) ₃ ,HCl,NaOH)		
ample(s)				les >6 mm in diar	reter.
ample(s)		A CONTRACTOR OF THE PARTY OF TH		RC >0.2 mg/L (If	
C Drinking Water Project	Sample(s) nH veri			Date:	
ample(s)	were not received	t a pH of >2 and we	re adjusted acc		₹
ample labels applied by:	twe	Verified by:		Date: 7-8	
minents:	LAU	results.			
			<u> </u>		
		In			



North Carolina Department of Environment and Natural Resources

Division of Waste Management

MEMORANDUM

Date: July 8, 2014

To: File

From: Vince Antrilli

Raleigh Regional Office

Inactive Hazardous Sites Branch

Re: Agatha Dr – Sampling Trip Summary

NONCD0002850

Wade Kirby & Bobby Lutfy visited the site on July 7, 2014 to perform well sampling in the area.
 They sampled the addresses list below:

(A=After Filter, B=Before Filter)

7088 Agatha Dr (B)

7091 Agatha Dr (A & B & After RO)

7093 Agatha Dr (B)

7094 Agatha Dr

7033 Ellison Rd

- No other residents in the area responded to sample request letters, were not available by phone
 and were not home during the time that we were on site to sample.
- The samples collected were sent to Shealy Lab on July 7, 2014.

Site Name:	AGATHA DE	Weather	
Site Id #:	NONCO 000 28/ 7	Temp:	86'
Owner Name:	JEREMI PARMES	Wind:	Greeze
Well Address:	7088 AGATHA DR	Percip:	SUNNY
Well ID #:	7088 AGATHA 13		
	Before fifter	Date:	7/7/2014
Coordinates:	N N	Sample Team:	7/7/2014 LUTET & KIRISY
	E	.	
Comments (well co	sampled at 1	well head	an to Co wellhood
Wearly colle	otal a "Before Filter":	sumple because l	uncertainity is a filter
ر ۱۰۰۰		n 15 Min 20 Min	
	Temp (°C) <u>24.9 <u>24.0</u></u>	22.5	installed
	pH <u>5. /2</u> <u>6-/9</u>	6.22	
	S.C. /53.2 /53.	1 153.8	
	Turbidity		
Water Condition (t	Time Sample Collected: urbodity, color, odor):	1207	
Lot Layout	Marina and a second a second and a second an	Samples Collected:	
		VOCs (3 - 4	10ml vials)
		1,4 Dioxan	e (3 - 40ml vials)
		-	Bs (1 - 2L Amber bottle)
1 4	0451	· · · · · · · · · · · · · · · · · · ·	- 1L HDPE bottle) 1L bottle)
Ľ	1 0 moll pring		o. (1 - 2L Amber bottle)
	/ / Or mr		
		Comments:	
	DIM /		
			• • • • • • • • • • • • • • • • • • •
1		1	

Site Name:	AGATHA DA	•			Weather		
Site Id #:	NONCOOOG			· .	Temp:	8	~6°
Owner Name:	JIMMY & M		Aus Tears	- O	Wind:	b	reeze
Well Address:	7091 AGATH				Percip:	5	`wnnv
Well ID #:	7091 AGATHA		-		. •		
	Potor Filt			-	Date:	7-	7-14
Coordinates:			N	Sar	nple Team:	Kirk	or + Lutes
			E				
Comments (well co	nstruction, etc.)	Sa	inpled	at wel	(head	4	re-filter)
	Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min	
	Temp (°C)	16.8		/6.3	20 141111	23 141111	
	pH		6,27	,		:	·
	S.C.		167.8				
	Turbidity	10410	1470	1400			
!							<u></u>
						· ·	
	Time Sample	Collecte	ed:	122	5		N.
Water Condition (to			ed: elenr		5		
Water Condition (to							
				Samples Co		40ml vial	ls)
				Samples Co	ollected: VOCs (3 - 1,4 Dioxa	ne (3 - 40	ml vials)
				Samples Co	ollected: VOCs (3 - 1,4 Dioxa SVOCs/PO	ne (3 - 40 CBs (1 - 21	oml vials) L Amber bottle)
				Samples Co	VOCs (3 - 1,4 Dioxa SVOCs/PO Metals (1	ne (3 - 40 CBs (1 - 21 - 1L HDP	Oml vials) L Amber bottle) E bottle)
				Samples Co	VOCs (3 - 1,4 Dioxa SVOCs/PO Metals (1 Dioxin (1	ne (3 - 40 CBs (1 - 21 1L HDP - 1L bottl	Oml vials) L Amber bottle) E bottle)
				Samples Co	VOCs (3 - 1,4 Dioxa SVOCs/PO Metals (1 Dioxin (1	ne (3 - 40 CBs (1 - 21 1L HDP - 1L bottl	Oml vials) L Amber bottle) E bottle) e)
				Samples Co	VOCs (3 - 1,4 Dioxa SVOCs/PO Metals (1 Dioxin (1 Pest./Her	ne (3 - 40 CBs (1 - 21 1L HDP - 1L bottl	Oml vials) L Amber bottle) E bottle) e)
	urbodity, color, od			Samples Co	VOCs (3 - 1,4 Dioxa SVOCs/PO Metals (1 Dioxin (1 Pest./Her	ne (3 - 40 CBs (1 - 21 1L HDP - 1L bottl	Oml vials) L Amber bottle) E bottle) e)
	urbodity, color, od	or):		Samples Co	VOCs (3 - 1,4 Dioxa SVOCs/PO Metals (1 Dioxin (1 Pest./Her	ne (3 - 40 CBs (1 - 21 1L HDP - 1L bottl	Oml vials) L Amber bottle) E bottle) e)
	urbodity, color, od	or):		Samples Co	VOCs (3 - 1,4 Dioxa SVOCs/PO Metals (1 Dioxin (1 Pest./Her	ne (3 - 40 CBs (1 - 21 1L HDP - 1L bottl	Oml vials) L Amber bottle) E bottle) e)

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Circlel III.	Agatha	D_	•	Weather	•
Site Id #:		000 2817		Temp:	860
Owner Name:		1 4	Hran &	Wind:	breeze
Well Address:	7.5		ive	Percip:	Junny
Well ID #:		J	0		7
	J	•		Date:	7-7-14
Coordinates:		N	•	Sample Team:	Kirby + Laty
		E			1
Comments (well co	onstruction, etc.)	<u>Samp</u>	le after	Rurses.	saisis filter sys
	Time Interval	5 Min 10	0 Min 15 M	/lin 20 Min 2	5 Min
	Temp (°C)	22.5	,		
	pH	5,53		 	
	S.C.	32.2			
	Turbidity			• .	
	Time Sample	: Collected:		2:40	•
Water Condition (t	urhodity color o	dor).	Glear	•	
Water Condition (t					
Lot Layout				es Collected:	
Lot Layout				VOCs (3 - 40	
Lot Layout				VOCs (3 - 40 1,4 Dioxane	(3 - 40ml vials)
Lot Layout				VOCs (3 - 40 1,4 Dioxane SVOCs/PCBs	
Lot Layout	ar Bourty, color, o			VOCs (3 - 40 1,4 Dioxane SVOCs/PCBs Metals (1 - 1 Dioxin (1 - 1	(3 - 40ml vials) (1 - 2L Amber bottle) L HDPE bottle) L bottle)
Lot Layout	ar Bourty, color, o			VOCs (3 - 40 1,4 Dioxane SVOCs/PCBs Metals (1 - 1 Dioxin (1 - 1	(3 - 40ml vials) (1 - 2L Amber bottle) L HDPE bottle)
Lot Layout	ar Bourty, color, o			VOCs (3 - 40 1,4 Dioxane SVOCs/PCBs Metals (1 - 1 Dioxin (1 - 1	(3 - 40ml vials) (1 - 2L Amber bottle) L HDPE bottle) L bottle)
Lot Layout	ar Bourty, color, o			VOCs (3 - 401,4 Dioxane SVOCs/PCBs Metals (1 - 1 Dioxin (1 - 1) Pest./Herb. ((3 - 40ml vials) (1 - 2L Amber bottle) L HDPE bottle) L bottle)
Lot Layout	ar Bourty, color, o		Sample	VOCs (3 - 401,4 Dioxane SVOCs/PCBs Metals (1 - 1 Dioxin (1 - 1) Pest./Herb. ((3 - 40ml vials) (1 - 2L Amber bottle) L HDPE bottle) L bottle)
Lot Layout	ar Bourty, color, o		Sample	VOCs (3 - 401,4 Dioxane SVOCs/PCBs Metals (1 - 1 Dioxin (1 - 1) Pest./Herb. ((3 - 40ml vials) (1 - 2L Amber bottle) L HDPE bottle) L bottle)
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Site Name:	AGATHA DA	,		.* _	Weather		
Site Id #:	NONCOOO				Temp:	Upas	× 80;
Owner Name:					Wind:	71	breeze
Well Address:	7093A GAT N			•	Percip:	S	h n s /
Well ID #:	7043 AGA?			•			·····
	Before fill			•	Date:	7-	1-14
Coordinates:			N	Saı	mple Team:	Kirky	+ Luttes
		,	- _ E -			7	
Comments (well co	nstruction, etc.)		sample	d af	well b	read	(pre-filter)
nobody No	us home et	not so	ire if	a filte	, had b	een Inst	(pre-filter)
collected only	h "Between	-ilfer"	SAMPI	e bec	ause c	st unce	taisties
	Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min	
	Temp (°C)	16.5	14.3	16.4		· 	
	pН	6.11	6.02	4.01			
	S.C.	273	266	362			
	Turbidity						
	Time Sample	Collect	ed:	130	2		
Water Condition (t	urbodity, color, od	or):	clear	·	·		
Lot Layout		······································	-	Samples Co	ollected:		
				_/	VOCs (3 -	40ml vials	5)
					1,4 Dioxa	ne (3 - 40r	ml vials)
							Amber bottle)
					-	- 1L HDPE - 1L bottle	•
	-						=) Amber bottle)
				C = m= m= = m+=			
		0 We	1	Comments			
		\				·	
		\	· · · · · · · · · · · · · · · · · · ·				
	\					· · · · · · · · · · · · · · · · · · ·	
	Agathe Dr				- -		

Site Name:	AGATHA DIS				Weather		
Site Id #:	NON(0 000 28/7				Temp:	مرص ال	er 80s
Owner Name:	ROBLE BAK		ZALE Z		Wind:	04	breeze
Well Address:	7094 AGAT				Percip:		anny
Well ID #:	7094 AGAT	-					,
	Beteful	ersanjon	ج		Date:	7-	7-14
Coordinates:			N	Sar	nple Team:	Kirby	f Lutfy
			. E			1	
Comments (well co	nstruction, etc.)	no	spigot	at well	head		
	- -		led at				
Or Owner	eturned all-				have a		filter. Therefore,
	Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min	We only collection a "Before Filter
	Temp (°C)	18.0	17.6	17.7			sumple
	рН	6.56	6.58	6-58			sampsic
	S.C.	144,3	146.5	147.8		 :	
	Turbidity						
	Time Sample	Collecte	ed:	1329	_		
	,p.	:		136	<u> </u>		
Water Condition (to	urbodity, color, od	or):	cle	ar			•
Lot Layout				Samples Co	ollected:		
				v	VOCs (3 -	40ml vials	· . s)
					1,4 Dioxa	ne (3 - 40r	nl vials)
	1						Amber bottle)
0.7011				· · · · · · · · · · · · · · · · · · ·		- 1L HDPE	
7094						- 1L bottle b. (1 - 21 <i>A</i>	:) Amber bottle)
'	11						
				6		e Car	
		OWel	1	Comments	: San	A HITW	only -
					10 to	ke sand	ont of water
						· · · · · · · · · · · · · · · · · · ·	
	2 (1 12					•	•
F	Agatha Dr						

Site Name:	FIGATHA P	<u> </u>			Weather		
Site Id #:	NONCO DE				Temp:	чрре	r 80s
Owner Name:	Michael				Wind:	10 E	yee Lc
Well Address:	7033E1615	and kn			Percip:	Sun	ny
Well ID #:	7033 ELLIS	on - 28	·				/
		. /			Date:	7-7	-14
Coordinates:		·	_N .	San	nple Team:	Kirhy	+ Latty
			_ E	,		·	•
Comments (well co	nstruction etc.)	· <a< td=""><td>mpled a</td><td>at wel</td><td>1 hear</td><td>d. ash</td><td>od was</td></a<>	mpled a	at wel	1 hear	d. ash	od was
hane of did	not have a	Shine	number	not s	nce 13	si sten	had a filter
30 We only	collected sum	soled	at the	well he	ed " B	fore Fr	Iter" sampa
	Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min	
	Temp (°C)	17.0	17.0	14.9			
	pН	5.99	6.13	6.09			
	S.C.	109.0	109.4	110.3			
	Turbidity						
	Time a Camanda	Callage	. a. al .	,			
	Time Sample	Collect	ea:	1347			
Water Condition (t	urbodity, color, oc	dor):	clea	<u>``</u>			
i et l'avout				Samples Co	ollected:		
Lot Layout					•	40ml vials	s)
	(o well				ne (3 - 40	
	·		•				. Amber bottle)
					•	- 1L HDPI	
					•	- 1L bottle ch <i>(</i> 1 - 21	e) Amber bottle)
					1 030./1101	D. (I ZE	ander bottle,
		•					
				Comments	S <u>:</u>		
		}					
		#			· · · · · · · · · · · · · · · · · · ·	<u> </u>	***************************************
E	Ellison Rd						

Sr Chain of Custody Record

SHEALY

Number 18372

Shealy Environmental Services, Inc. 106 Vantage Point Drive West Columbia, South Carolina 29172 Telephone No. (803) 791-9700 Fax No. (803) 791-9111

www.shealylab.com

Bottle (See Instructions on back) 0 □Unknown Temp. Blank DY/DN Remarks / Cooler ID Number of Containers M Preservative Gergin a Lot No. PSUSIER □Poison Quote No. Time Time Time Time Page, □Non-Hazard □Flammable □Skin Irritant ပွ Possible Hazard Identification Receipt Temp. Date Date Date Date ☐ Yes ☐ No ☐ Ice Pack Line you all way Sampler (Printed Name) QC Requirements (Specify) 4. Laboratory Received by Received on Ice (Check) Waybill No. LAB USE ONLY 3. Received by 2. Received by I. Received by 5791 Ŋ, □ Disposal by Lab Analysis Time 76.30 Note: All samples are retained for six weeks from receipt Time Time Other Time ANTHILL! Telephone No. / Fax No. / Email 7. NaOH တ Matrix □ Return to Client Turn Around Time Required (Prior lab approval required for expedited TAT) Sample Disposal GW DW WW Date Jam unless other arrangements are made. Na Thio. 4. HN03 5. HCL Date Date Date Report to Contact C=Composite Preservative MINGE G=Grab 2. NaOH/ZnA X 021 1022 1057 3521 かいい なから 1. Unpres. らぞら Time 6000 3. H2SO4 Project Number / JONNO 60 P.O Number 4794 Zip Code 7 2003 Date Œ) A Standard D Rush (Please Specify) i J , Ø (Containers for each sample may be MNCO-WMADOOLA State Z. AGATAR -Project Name 🦙 🤌 🖒 Sre re - Ma 1. Relinquished by / Sampler Sample ID / Description カエイダのグ 11/20 0 3000 CEON 102 ES combined on one line) AGATHA 120 BUSICK. 264 600000 190 BUSKK. 900 GREENS 172 Busick 3000 100 Beach 2. Relinquished by 3. Relinquished by 4. Relinquished by CHENG THA KALLION Address 7 7086 70% 2 160%

Shealy Environmental Services, Inc. 106 Vantage Point Drive

Chain of Custody Record

SHEALY

West Columbia, South Carolina 29172 Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 18373

www.shealylab.com

Bottle (See Instructions on back) 964 TH 19 De Remarks / Cooler ID □Unknown Number of Containers Preservative Lot No. o □Non-Hazard □Flammable □Skin Irritant □Poison Quote No. Time Time Page Possible Hazard Identification Date Date Date 26/11/2/2 Sampler (Printed Name) アルアン QC Requirements (Specify) Waybill No. 2. Received by 3. Received by 1. Received by SOOM ☐ Return to Client ☐ Disposal by Lab Analysis Other 12 TILLI Time Time S 7. NaOH Telephone No. / Fax No. / Email deside Secomposite Turn Around Time Required (Prior lab approval required for expedited TAT) Sample Disposal 6. Na Thio. 4. HN03 5. HCL Date Report to Contact Date Date Preservative S 2. NaOH/ZnA 1347 1. Unpres. 13251 1302 3. H2SO4 1240 Time P.O Number 1944 Date State | Zip Code ☐ Standard ☐ Rush (Please Specify) 709141617H11-KO (Containers for each sample may be 134 Sylk 120 MCDE WIC- DUM Sample ID / Description AGATHA 1. Relinquished by / Sampler 469 4 THA combined on one line) 7032 Ellison 2. Relinquished by 3. Relinquished by 1451AA Project Number Project Name 3064 7093 Address

°C | Temp. Blank | D Y / D N

Receipt Temp.

Received on Ice (Check) ☐ Yes ☐ No ☐ Ice Pack

LAB USE ONLY

Note: All samples are retained for six weeks from receipt

unless other arrangements are made.

Time

Date

4. Laboratory Received by

Time

Date

4. Relinquished by

Instructions

Please complete as many fields possible. Contact your lab Project Manager with any questions reagrding Chain of Custody completion.

Bottle Types (Insert letter code for bottle type submitted)

- A 40ml Vial Clear
- B 40ml Vial Amber
- C 125ml Plastic
- D 250ml Plastic
- E 250ml Amber
- F 500ml Plastic
- G 500ml Amber
- H 1L Plastic
- J 1L Widemouth I - 1L Amber
- K 2L Plastic
- L-2 oz. jar
- M 4 oz. jar
- N 9 oz jar
- O 100ml sterile

Agatha Drive (NONCD 000 2817) Guilford County

Agatha Drive, Guilford County Addresses (NONCD0002817)

		T Table 1	I	1
Well Address	Parcel ID#	Owner / Mailing Address Phone Number		Sampling permission
7098 Agatha Drive	150728	Larry and Naomi Hart 7098 Agatha Dr Stokesdale, NC 27357	number disconnected	No Response
7096 Agatha Drive	150729	Amanda Williams 7096 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7094 Agatha Drive *2	150730	Robin Baker Gonzalez 7094 Agatha Drive Stokesdale, NC 27357	336-601-5584 cell	yes, email
7092 Agatha Drive	150731	James Sizemore 7092 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7090 Agatha Drive	150732	Jeffrey and Fredia Wright 7090 Agatha Drive Stokesdale, NC 27357	number disconnected	No Response
7088 Agatha Drive *1	150733	Jeremy Barnes 7088 Agatha Drive Stokesdale, NC 27357	336-643-2503	yes, phone
7099 Agatha Drive	150740	Robin Meyer 7099 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7097 Agatha Drive	150737	Michele Roberts 7097 Agatha Drive Stokesdale, NC 27357	no listing	No Response
7095 Agatha Drive	150736	Abiga and Rae Pridgen 2801 Regents Park Lane Greensboro, NC 27455	no listing	No Response
7093 Agatha Drive *1	150735	Daniel Cimino 7093 Agatha Drive Stokesdale, NC 27357	336-644-9601	yes, phone
7091 Agatha Drive	150734	Jimmy and Melodie Autrand 7091 Agatha Drive Stokesdale, NC 27357	336-944-2828	yes, phone. Has full house carbon filter and under sink RO. Need to collect at well, after carbon system, and after Ro system. Call in advance.

7033 Ellison Road *1	150739	Michael Hendrickson 7033 Ellison Road Stokesdale, NC 27357		yes, email
7031 Ellison Road	150738	Kay Smith 7031 Ellison Road Stokesdale, NC 27357	336-643-4461	No, phone
7027 Ellison Road	150704	Leta Climer Living Trust Agreeme 21 Stone Gate North Longwood, FL 32779	nt	Returned. Insufficient Address
7018 Ellison Road	150707	Eva Sue Quate 7018 Ellison Road Stokesdale, NC 27357	no listing	No Response
7018-A Ellison Road	150711	Brad and Kimberley Moore 7018-A Ellison Road Stokesdale, NC 27357	no listing	No Response

^{*1} Collected a sample from before filter only at the well head. Nobody was home & could not confirm there was a filter system being used.

^{*2} Homeowner called to sayshe dod not have a carbon filter, only a sediment filter. There was no faucet by the well head so sample was collected at front of house.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Eva Sue Quate 7018 Ellison Road Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Quate:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7018 Ellison Road in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

Please contact me by one of the following ways to confirm that <u>we may</u> collect a sample from your well. You can reach me by calling (919) 707-8353, emailing me at <u>Vincent.Antrilli@ncdenr.gov</u> or by responding to this letter stating that you are granting permission for the State to sample your well. If you have any questions, comments, or concerns, please contact me.

Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Brad and Kimberley Moore 7018-A Ellison Road Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Moore:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7018-A Ellison Road in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.

Environmental Specialist

Inactive Hazardous Sites Branch

Vincent antrilli, Jr.

Superfund Section



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Leta Climer Living Trust Agreement 21 Stone Gate North Longwood, FL 32779

RE:

Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Sir or Madame:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7027 Ellison Road in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

Please contact me by one of the following ways to confirm that <u>we may</u> collect a sample from your well. You can reach me by calling (919) 707-8353, emailing me at <u>Vincent.Antrilli@ncdenr.gov</u> or by responding to this letter stating that you are granting permission for the State to sample your well. If you have any questions, comments, or concerns, please contact me.

Sincerely,

Vincent Antrilli, Jr.

Environmental Specialist

Inactive Hazardous Sites Branch

Vincent antrilli, Jr.

Superfund Section



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Kay Smith 7031 Ellison Road Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Smith:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7031 Ellison Road in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

Please contact me by one of the following ways to confirm that <u>we may</u> collect a sample from your well. You can reach me by calling (919) 707-8353, emailing me at <u>Vincent.Antrilli@ncdenr.gov</u> or by responding to this letter stating that you are granting permission for the State to sample your well. If you have any questions, comments, or concerns, please contact me.

Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Michael Hendrickson 7033 Ellison Road Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Hendrickson:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7033 Ellison Road in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Jeremy Barnes 7088 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Barnes:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7088 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Jeffrey and Fredia Wright 7090 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Wright:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7090 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Jimmy and Melodie Autrand 7091 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Autrand:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7091 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.

Environmental Specialist

Inactive Hazardous Sites Branch

Vincent antrilli, Jr.

Superfund Section



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Robin Meyer 7099 Agatha Drive Stokesdale, NC 27357

RE:

Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Meyer:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7099 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

James Sizemore 7092 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Sizemore:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7092 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Daniel Cimino 7093 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. Cimino:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7093 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Robin Baker Gonzalez 7094 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Ms. Gonzalez:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7094 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Abiga and Rae Pridgen 2801 Regents Park Lane Greensboro, NC 27455

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Pridgen:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7095 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

Please contact me by one of the following ways to confirm that <u>we may</u> collect a sample from your well. You can reach me by calling (919) 707-8353, emailing me at <u>Vincent.Antrilli@ncdenr.gov</u> or by responding to this letter stating that you are granting permission for the State to sample your well. If you have any questions, comments, or concerns, please contact me.

Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Amanda Williams 7096 Agatha Drive Stokesdale, NC 27357

Dear Ms. Williams:

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7096 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

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Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Michele Roberts 7097 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling - Agatha Drive site (NONCD0002817)

Dear Ms. Roberts:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7097 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

Please contact me by one of the following ways to confirm that <u>we may</u> collect a sample from your well. You can reach me by calling (919) 707-8353, emailing me at <u>Vincent.Antrilli@ncdenr.gov</u> or by responding to this letter stating that you are granting permission for the State to sample your well. If you have any questions, comments, or concerns, please contact me.

Sincerely,

Vincent Antrilli, Jr.



Pat McCrory Governor John E. Skvarla, III Secretary

June 17, 2014

Larry and Naomi Hart 7098 Agatha Drive Stokesdale, NC 27357

RE: Water Supply Well Sampling – Agatha Drive site (NONCD0002817)

Dear Mr. and Mrs. Hart:

My name is Vincent Antrilli and I work for the Division of Waste Management of the State of North Carolina's Department of Environment and Natural Resources. The purpose of this letter is to request your permission to sample the well(s) located at 7098 Agatha Drive in Stokesdale, Guilford County, as part of an investigation of groundwater contamination detected in your area. You do not have to be present to have your well sampled and there is no cost to you. Samples will be collected from either a faucet at the well or on the exterior of your home. The laboratory results will be forwarded to you as soon as possible.

Please contact me by one of the following ways to confirm that <u>we may</u> collect a sample from your well. You can reach me by calling (919) 707-8353, emailing me at <u>Vincent.Antrilli@ncdenr.gov</u> or by responding to this letter stating that you are granting permission for the State to sample your well. If you have any questions, comments, or concerns, please contact me.

Sincerely,

Vincent Antrilli, Jr.

Agatha Drive - NONCD002817

Last sample date 10/27/2010

Highest detection at 7095 Agatha Drive: 1,2-Dichloropropane at 11.9 ug/L (MCL at 5.0 and 2L at 0.6)

Agatha Dr, Guilford County Addresses (NONCD0002817)

Well Address	Parcel ID#	Owner / Mailing Address	Phone # / email	Sampling Permission
7095 Agatha Dr	13-10-0658-0- 0980-00-058	Abigal Pridgen 2801 Regents Park Lane	336-288-0069	Called. Left mersog 3-18-11
		Greensboro, NC 27455		
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Agatha Dr - NONCIDOM2817

Well Address Sample Well PCC 1CE 1C-Librand Chloration 12-DCA 12-DCA 11-DCE Chloration PCD 1C-DCA 1C-DCA 11-DCE Chloration PCD ACL-S 2L-S 2L-S 2L-S ACL-S							AG	ama Ur) 	Againa Dr NOINCDUU02817	1/					
Drife By Drife By Drife By Drife RALE By RALE	Well Address	Sample	Samole	Well	ភូ		1,4-Dioxane	Chloroform	1.1-DCA	1,2-UCA	1,1-DCE	cis-1.1-DCE	Chlorometnane	1.2. Dichloropropane		Comments
Guilord Co		ë ë	γ̂θ		2L= 0.7 MCL 5	2L= 3 MCL= 5	MCL= 3	2L= 70 MCL= 80	21.= 6 MCL=	21 = 0.4 MCL=	21=7 MC1=7	2L= 6 MCL=	2L= 3 MCL=	2L-0.6 MCL=5		
10/27/2010 Guillord Co No Defection 0	2005 Anatha IV		Conflored Co.		RAL: 12	RAL - 300	RAL: 61:	RAL # 100	RAL: 242	RAL	RAL= /	RAL= 242	RAL= 563	RAI =	- 1	
10/27/2010 Guillord Co No Decetion?			2000000					1						a l	- T	Unknown it liller is in use
10/27/2010 Guillord Co No Deectoon? 10/27/2010 Guillord Co No Deectoon? 10/27/2010 Guillord Co No Defection																
10/27/2010 Guillord Co No Descrion 2 0 Y 10/27/2010 Guillord Co No Descrion 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7091 Againa Or	10/27/2010												2.1	>	
10/27/2010 Guillord Co No Detection? 0 Y	PRE-FILTER															
10/27/2010 Guillord Co. No Detection 7 10/27/2010 Guillor																
10/27/2010 Gaillord Co No Delection Y	7091 Againa Di	10/27/2010	ш	Ц	ection 2									0	>	FILETIA LSB.
Againa Dr 10/27/201G Guillord Co No Dulection Y Vygathar Dr 10/27/2016 Guillord Co Y	POST-FILTER															
Agatha Cr 10/27/201G Guillord Co No Delection Y Agatha Dr 10/27/201G Guillord Co Y																
Agathan Dr. 1027/2010 Guillord Co. Y	1088 Agatha Or	10/27/2016	_	No D	election	-									>	
Чрай han Dr 10/27/2010 Guallord Co								H								
Agailta Dr 102772010 Gullerd Co																
	7093 Agetha Dr	10/27/2010	Guillord Co					r							-	Trace detection of 1,2-Dichloropropane
							-									

80.0 80.0 80.0 80.0 80.0 80.0 Notes:
All units in ugil (gub)
Above MDL Limi =
Above ML ...
Above ML ...
Above MR =
Above

1,1-DCA = 1,1 Dichlorocharte 1,1-DCE = 1,1-Dichlorostherin os-1,2-DCE = cis-1,2-Dichlorochene Chlorometrare (AKA - Methyl Chloride)

Agatha Drive (NONCD 000 2817) Guilford County

Antrilli, Vincent

From:

Baker-Gonzales, Robin L

Sent:

Monday, June 23, 2014 7:51 AM

To: Subject:

Antrilli, Vincent FW: Water testing

Sorry my address is 7094 Agatha Drive Stokesdale

From: Baker-Gonzales, Robin L

Sent: Monday, June 23, 2014 7:50 AM

To: Antrilli, Vincent Subject: Water testing

Vincent,

Hello this is Robin Baker Gonzales I received a letter from you in the mail to test the water.

I will have no problem with the testing I think this has been a problem in the past.

If you have any questions you can contact me a work at 336-487-0103 or my cell at 336-601-5584.

Thank you,

Robin

Email correspondence to and from this sender is subject to the N.C. Public Records Law and may be disclosed to third parties.

SITE HEALTH AND SAFETY PLAN

A. General Information

			*
Site Name <u>Agatha Drive</u>		ID # _	NONCD 000 281
7095 Agatha Drive, Stokes	dale, Guilford County, NC		
Proposed Date of Investigati	on 7/2/14 to 8/2/14		· .
Date of Briefing 6/23/14		9	
Date of Debriefing 8/4/14			
Nature of Visit (check one):	On-Site Reconnaissance		
	Off-Site Reconnaissance		
	Sampling	X	
	Sampling Overview		
	Remediation Overview		
		-	
Health Department Official C	Contacted Ken Carter's voice	ce mail	
Date of Contact 6/23/14			
Site Investigation Team: Al	l site personnel have read	the Sit	e Health and
Sa	afety Plan and are familiar	with it	s provisions.
Personnel	Responsibilities	<u>.</u> <u>S</u>	ignature
Team 1 Vince Antrilli	team leader, sampling		
Team 1 <u>Wade Kirby</u>	sampling		
Team 1 Bobby Lutfy	sampling		

Plan Preparation:

Prepared By: David Lilley, Industrial Hygiene Consultant

Reviewed By: Jim Bateson, Superfund Section Chief

B. SITE/WASTE CHARACTERISTICS

						• .
Waste Type(s)	X Liquid	Solid	Sludge	Gas	X_Vapor	•
Characteristics	Corrosi	ve X	Ignitable _	Radioa	ctive	
_X	<pre>Volatile</pre>	X_Toxic	React	ive	Other	
List Known or	Suspected	Hazards	(physical,	chemical	biologica	al or
radioactive) on	Site and the	ir toxicol	ogical effec	cts. Also,	if known	, list
chemical amounts						
				٠	EXPO	SURE
HAZARD		W	ARNING PROPE	RTIES	LI	MIT
1,2-Dichloroprop	pane	Odor Thre	shold (OT) =	= 0.25 ppm	1	0 ppm
	UNDERGROU	UND UTILIT	IES CHECKLIS	T		
<u>Utility</u>	Locator/Cont	act Perso	<u>n</u>	Phone #	<u>Da</u>	ate of
Location						
Power						
Telephone						
Gas						•
Water						
Sewer						
Call made by:						

ID # NONCD 000 2817
Facility Description: Size unknown Buildings yes
Disposal Methods Being Investigated The site is a groundwater plume with no
obvious source.
Unusual Features on Site (dike integrity, power lines, terrain, etc.):
None known.
History of the Site: The site is a groundwater plume with no obvious source.
C. HAZARD EVALUATION
The site can be toured and sampled in level D protection. PVC gloves
will be worn while collecting water samples. Chemically resistant knee
length boots will be worn on site if the potential for surface soil
contamination exists.
D. WORK PLAN INSTRUCTION
Map or Sketch Attached? yes
Perimeter Identified? no
-
Personal Protective Equipment/Level of Protection: C X D

Modifications Wear goggles, face shield, and PVC gloves while preparing acid preserved samples, goggles and PVC gloves while collecting acid preserved samples. Avoid breathing acid vapors.

Surveillance Equipment:	
HNU	Detector Tubes and Pumps
OVA	02 Meter
Explosimeter	Radiation Monitor
Decontamination Procedures	
Level C Respirator wash, needed),	respirator removal, suit wash (if
suit removal, boot wa	ash, boot removal and glove removal.
X Level D Boot wash and rinse a	and boot removal, suit removal, glove
and goggle removal.	
Modifications Dispose of trash proper	ly, on-site if possible.
Work Schedule/Visit Objectives The put	rpose of this visit is to determine
if the site poses a threat to the publ:	ic health or environment because of
releases of contaminants to soil, surfa	ace water, groundwater, or air.
Sampling may consist of groundwater same	mpling.
EMERGENCY PRECAUTIONS	
Route of Exposure	First Aid
Eyes	irrigate immediately
Skin	soap and water wash
Inhalation	fresh air and artificial respiration
Ingestion	get medical attention immediately

ID # NONCD 000 2817

Location of Nearest Phone: <u>nearby residences</u>
Hospital (Address and Phone Number)
Wesley Long Community Hospital, 501 N Elam Ave, Greensboro, NC (336) 854-
6100
Emergency Transportation Systems (Phone Numbers)
Fire911
Ambulance 911
Rescue Squad 911
Emergency Route to Hospital <u>see next page</u>
Emergency Route to hospitar <u>see new page</u>
PREVAILING WEATHER CONDITIONS AND FORECAST
EQUIPMENT CHECKLIST
Air purifying respirator X First Aid Kit Cartridges for respirator X 3 gal. Deionized H20
Cartridges for respirator X 3 gal. Deionized H20 X Eye Wash Unit X Rain suit
HNU X Gloves (PE/PVC/nitrile/cloth)
OVA X Boots/Boot Covers
Explosimeter X Coveralls (tyvek/saranex)
Radiation Monitor X Eye Protection (goggles/shield)
Decontamination X Hard Hat
Materials

STATE POISON CONTROL CENTER

1-800-848-6946

North Carolina OSHA

1-800-LABOR-NC

safeform.doc

5

Please complete and submit the Air Monitoring and Injury Report Form at: https://spreadsheets.google.com/spreadsheet/viewform?formkey=dHoySlJhc0RCN3Nwam91S XhvVVBNYnc6MQ



Trip to:

501 N Elam Ave

Greensboro, NC 27403-1118 14.65 miles / 21 minutes

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11	<i>(</i> 11	$\boldsymbol{\omega}$

4 Ways to Avoid Running Out of Money During Retirement

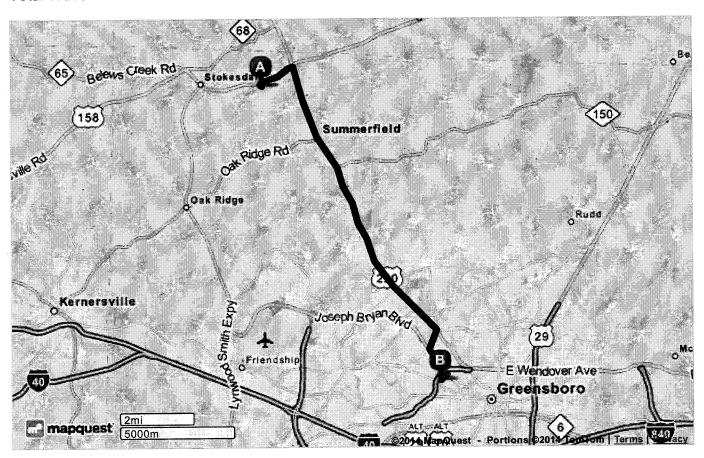
If you have a \$500,000 portfolio, download the guide by Forbes columnist Ken Fisher's firm. Even if you have something else in place, this must-read guide includes research and analysis you can use right now. Don't miss it!

Click Here to Download Your Guide!

FISHER INVESTMENTS

9	7095 Agatha Dr , Stokesdale, NC 27357-8548	Download Free App
•	1. Start out going northwest on Agatha Dr toward Ellison Rd . <u>Map</u>	0.08 Mi
		0.08 Mi Total
r	2. Turn right onto Ellison Rd . <u>Map</u>	0.2 Mi
		0.2 Mi Total
EAST	3. Turn right onto US Highway 158 / US-158 E . <u>Map</u>	1.1 Mi
(158	Parkers Restaurant is on the corner	1.3 Mi Total
RAMP	4. Take the ramp toward Greenboro / Madison . <u>Map</u>	0.1 Mi
<u> </u>		1.5 Mi Total
SOUT	5. Turn right onto US Highway 220 N / US-220 S. Continue to follow US-220 S. Map	11.0 Mi
220	J)	12.5 Mi Total
r	6. Turn right onto Benjamin Pkwy . <u>Map</u>	0.7 Mi
•	Benjamin Pkwy is 0.1 miles past Martinsville Ct	13.2 Mi Total
	McDonald's is on the corner If you reach W Cone Blvd you've gone a little too far	
4	7. Turn left to stayon Benjamin Pkwy. Map	1.2 Mi
		14.4 Mi Total
A	8. Turn right onto N Elam Ave . <u>Map</u>	0.3 Mi
	N Elam Ave is 0.3 miles past Green Valley Rd	14.7 Mi Total
	Kiser Middle School is on the corner If you reach Campus Dr you've gone about 0.1 miles too far	
	9. 501 N ELAM AVE is on the right. Map	
	Your destination is just past Salk Pl	
	If you reach Villa Dr you've gone about 0.1 miles too far	
Θ	501 N Elam Ave , Greensboro, NC 27403-1118	

Total Travel Estimate: 14.65 miles - about 21 minutes



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HAZARDOUS SUBSTANCE INFORMATION FORM

Chemical Name: 1,2-Dichloropropane	
T DUVCTON / CHEMICAL DDODEDHIEC	
I. PHYSICAL/CHEMICAL PROPERTIES	Reference
	Velefelice
	· · · · · · · · · · · · · · · · · · ·
Chemical Formula C3 H6 C12	1
Natural Physical State at 25°C liquid	2
Vapor Pressure 40 mm Hg at 20°C	3
	<u>F</u> /°C <u>3</u>
Flash Point (open or closed cup) 60 °C/°F	3
Solubility - H ₂ O <u>0.3 %</u>	3
Other miscible with organic solvents	
Physical Features: (odor, color, etc.) colorless, st an odor like chloroform (2) IP = 10.87 eV	able liquid with
II. TOXICOLOGICAL DATA	
Standards: 10 ppm (4) TLV 75ppm (5) PEL 2	,000ppm (3) IDLH
Routes of Exposure: Inhalation, Eye/Skin contact, Ingest	ion
Acute/Chronic Symptoms: Eye and skin irritation, drowsine	ess, light-headedness
carcinogenic in animals, liver and kidney disease (3)	
First Aid: Inhalation: artificial respiration; Ingestion	n: get medical
attention immediately; Eye contact: irrigate immediately	
soap and water wash immediately	

		,				
Cher	mical	l Name: 1,2-Dichlo	ropropane			
		4.4				
III	. HA2	ZARDOUS CHARACTERIS	PICS		Reference	
	Α.	Combustibility Ye	es X No		3	
		Toxic by-products	toxic and irri	tating gases	6	
			may be generat			
						
	В.	Flammability	LEL 3.4%	UEL 14.5%	3	
	C.	Reactivity Hazard	no reaction wi	th common materials	6	
inco		ible with strong ox		_	3	
	D.	Corrosivity Hazard	l yes/no	pH:		
	Neu	tralizing agent:				
	Ε.	Radioactive Hazard		Exposure Rate		
		Background	yes/no			
		Alpha particles	yes/no			
		Beta particles	yes/no			
		Gamma radiation	yes/no	· · · · · · · · · · · · · · · · · · ·		
IV.	REF	ERENCES				
,						
	1.	The Merck Index, 1				
	<u>2.</u>		ical Dictionary,	Sax, 11th Edition,		
		1987.				
	3.	Pocket Guide to Ch				
	4.	Threshold Limit Va		cal Exposure		
		Indices for 2007,	ACGIH.			
	<u>5.</u>	29 CFR 1910.1000.				•
	<u>6.</u>	Chemical Hazard Re		on System, US		
	uena	artment of Transpor	tation 1987			

Name of Employee: Last:

WC Authorization | Physician's Report | Pharmacy Guide

MAILING ADDRESS: P.O. Box 77880, Charlotte, NC 28271 800-365-5998 www.corvel.com

EMPLOYER: Please complete the top section and give to the injured employee to take with them to their authorized treating physician. If you already have transitional duty job descriptions available, please attach a copy for the treating physician's review.

First:

ing Physician: physician. Please have the physician complete the middle section you to show the pharmacist should you need to have any or this work related injury.
physician. Please have the physician complete the middle section you to show the pharmacist should you need to have any
you to show the pharmacist should you need to have any
*
_
() has not been completed
cions: Inding, lifting less than 10 pounds) per day
ries):
t Right
at (time)
Date Physician's Name (type or print)

PHARMACIST: Please use the Injured Worker's SSN and Date of Injury (SSN+MMDDYYYY) as their 17 digit Identification Number when entering information to process an online claim to CorVel on behalf of Department of Environmental and Natural Resources injured employees. Pharmacies can contact the CorVel Customer Service at 800-563-8438 or CVS/Caremark Pharmacy Help Desk at 877-876-7216, for assistance with claims processing.

DO NOT CHARGE THE PATIENT FOR THE PRESCRIPTION.

CHAIN NAME	CHAIN NAME	CHAIN NAME	CHAIN NAME
Bi-Lo Pharmacy	Horizon Pharmacy	Revco drugs	VIX Pharmacy
Bi-Mart	HyVee Drugtown	Rite-Aid drugs	Walgreen's
Brooks Drugs	J & J Pharmacy	RX Discount Pharmacy	Wal-Mart Pharmacy
Brookshire Brothers	Joel & Jerry's	Sack-n-Save	Wegman Pharmacy
Cub Pharmacy	Kash N Karry	Sav-A-Lot	Winn-Dixie
CVS Drugs	Kerr Drugs	Sams Club Pharmacy	
Drug Emporium	K-mart phcy	Save Mart	
Eckerds(all others)	Long's Phcy	Stop N Shop	
Franck's Pharmacy	Medicine Shoppe	Super D	1
Fred Meyer	Medistat Phcy	Super Valu	
Fred's Pharmacy	Milner-Rushing Drugs	Super X (HSI)	
Giant Pharmacy	Pathmark Pharmacy	Tom Thumb Phcy	
Goodings	Perry Drg Str	Tops Pharmacy	
Hannaford Food &	Phar-Mor	Tri Daly Drugs	

Group Number: RXFFWC311 CCRx BIN: 004336

PCN: ADV Rev. 6/10 Dept. of Environ. & Natural Res.

CORVEL

* All participating pharmacies have not been included on this list. Please have your pharmacy call regarding any questions/ authorizations 800-563-8438.

Antrilli, Vincent

From:

Michael Hendrickson [91s10driver@gmail.com]

Sent:

Sunday, June 29, 2014 8:52 PM

To:

Antrilli, Vincent

Subject:

Re: Well Testing

Sure Vince go ahead and test mine, I would like to see the findings once available.

Mike 336-420-3969

On Fri, Jun 27, 2014 at 8:51 AM, Antrilli, Vincent < vincent.antrilli@ncdenr.gov> wrote:

Good morning Mr. Hendrickson,

The data I have dates back to 2010 however Guilford County may have data that dates back further. The contamination is 1,2 dichloropropane which was used in older agricultural areas to fumigate crops and orchards. The actual contamination most likely occurred back about 30-40 years ago prior to it becoming a banned chemical. There are several homes on Agatha Drive that are affected by this and we are continuing our follow up to see if the situation has become worse or is getting better. We will continue to monitor the groundwater conditions every few years.

If you should have any further questions, please do not hesitate to contact me.

So can I add you to our list for sampling?

Thank you,

Vincent Antrilli, Jr.

Environmental Specialist,

Bernard Allen Fund Program Manager

Inactive Hazardous Sites Branch

NC Division of Waste Management

Vincent.Antrilli@ncdenr.gov

Physical Address:

217 West Jones Street

Raleigh, NC 27603

Mailing Address:						
1646 Mail Service Center						
Raleigh, NC 27699-1646						
Tel: <u>919-707-8353</u>						
Fax: <u>919-707-8353</u> [Same as Tel]						
Main Tel: <u>919-707-8200</u>						e -
**************						,
E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.						

				-		
From: Michael Hendrickson [mailto:91s10driver@gma Sent: Thursday, June 26, 2014 9:03 PM To: Antrilli, Vincent Subject: Well Testing	il.com]				**************************************	
Hi Vincent,						
Got the letter in the mail an you may collect a san	nple from 7033	Ellison Rd	l. Stokes	dale, NC	27357.	
What is the Groundwater contamination incident t	hat happened?	When did i	t happen	?		
		÷				
Thanks!						
Mike Hendrickson						
336-420-3969			<u>-</u>			